



STATE OF ALABAMA

DEPARTMENT OF FINANCE
DIVISION OF PURCHASING

INVITATION TO BID

INVITATION TO BID NO: 10-X-2216492

REQ. AGENCY : 999999
PURCHASING DIVISION
AGENCY REQ. NO. :
T-NUMBER : T650
DATE ISSUED : 06/17/10
VENDOR NO. :
VENDOR PHONE NO. :
SNAP REQ. NO. : 1435893
BUYER NAME : SUSAN JANA

FOR: VEHICLE LIGHTS/SIRENS/BUMPERS

BUYER PHONE NO. : (334) 242-7173-
PURCHASING PHONE NO: (334) 242-7250

BID MUST BE RECEIVED BEFORE:
DATE: 07/27/10 TIME: 5:00 PM

BIDS WILL BE PUBLICLY OPENED:
DATE: 07/28/10 TIME: 10:00 AM

TO BE COMPLETED BY VENDOR

INFORMATION IN THIS SECTION SHOULD BE PROVIDED, AS APPROPRIATE. BID RESPONSE
MUST BE IN INK OR TYPED WITH ORIGINAL SIGNATURE AND NOTARIZATION.

1. DELIVERY: CAN BE MADE _____ DAYS OR _____ WEEKS AFTER RECEIPT OF ORDER
2. TERMS: _____(DISCOUNTS ARE TAKEN WITHOUT REGARD TO DATE OF PAYMENT.)
3. PRICE VALID FOR ACCEPTANCE WITHIN _____ DAYS.
4. VENDOR QUOTATION REFERENCE NUMBER, IF ANY: _____
(THIS NUMBER WILL APPEAR ON THE PURCHASE ORDER.)
5. E-MAIL ADDRESS: _____
INTERNET WEBSITE: _____
6. GENERAL CONTRACTOR'S LICENSE NO: _____
TYPE OF G.C. LICENSE: _____

***** IMPORTANT NOTE: *****

BIDDERS MUST COMPLY WITH ALL "BID RESPONSE INSTRUCTIONS" ON PAGE 2, TO INCLUDE
ITEM 7 - COPY REQUIREMENT.

RETURN INVITATION TO BID:

US MAIL

STATE OF ALABAMA
DEPARTMENT OF FINANCE
DIVISION OF PURCHASING
P O BOX 302620
MONTGOMERY, AL 36130-2620

COURIER

STATE OF ALABAMA
DIVISION OF PURCHASING
RSA UNION BUILDING
100 N. UNION ST., SUITE 192
MONTGOMERY, AL 36104

SIGNATURE AND NOTARIZATION REQUIRED

I HAVE READ THE ENTIRE BID AND AGREE TO FURNISH EACH ITEM OFFERED AT THE PRICE QUOTED.
I HERBY AFFIRM I HAVE NOT BEEN IN ANY AGREEMENT OR COLLUSION AMONG BIDDERS IN
RESTRAINT OF FREEDOM OF COMPETITION BY AGREEMENT TO BID AT A FIXED PRICE OR TO
REFRAIN FROM BIDDING.

SWORN TO AND

FEIN OR SSN

AUTHORIZED SIGNATURE (INK)

SUBSCRIBED BEFORE ME THIS

COMPANY NAME

TYPE/PRINT AUTHORIZED NAME

_____ DAY OF _____

MAIL ADDRESS

TITLE

NOTARY PUBLIC

CITY, STATE, ZIP

TOLL FREE NUMBER

TERM EXP: _____

PHONE INCLUDING AREA CODE

FAX NUMBER

STANDARD TERMS & CONDITIONS

VENDOR NAME :

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AUTHORITY:

THE DEPARTMENT OF FINANCE CODE OF ADMINISTRATIVE PROCEDURE, CHAPTER 355-4-1 EFFECTIVE DECEMBER 20, 2001 IS INCORPORATED BY REFERENCE AND MADE A PART OF THIS DOCUMENT. TO RECEIVE A COPY CALL (334)242-7250, OR OUR WEBSITE WWW.PURCHASING.ALABAMA.GOV .

INFORMATION AND ASSISTANCE TO MINORITY AND WOMEN-OWNED BUSINESSES IN ACQUIRING M/WBE CERTIFICATION MAY BE OBTAINED FROM THE OFFICE OF MINORITY BUSINESS ENTERPRISE, 1-800-447-4191.

BID (ITB) RESPONSE INSTRUCTIONS

REV: 01/14/10

1. TO SUBMIT A RESPONSIVE BID, READ THESE INSTRUCTIONS, ALL TERMS, CONDITIONS AND SPECIFICATIONS.
2. BID ENVELOPES/PACKAGES/BOXES MUST BE IDENTIFIED ON FRONT, PREFERABLY LOWER LEFT CORNER AND BE VISIBLE WITH THE BID NUMBER AND OPENING DATE. EACH INDIVIDUAL BID (IDENTIFIED BY A UNIQUE BID NUMBER) MUST BE SUBMITTED IN A SEPARATE ENVELOPE. RESPONSES TO MULTIPLE BID NUMBERS SUBMITTED IN THE SAME ENVELOPE/COURIER PACKAGE, THAT ARE NOT IN SEPARATE ENVELOPES PROPERLY IDENTIFIED, WILL BE REJECTED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR LATE BIDS FOR ANY REASON INCLUDING THOSE DUE TO POSTAL, OR COURIER SERVICE. BID RESPONSES MUST BE IN THE DIVISION OF PURCHASING OFFICE PRIOR TO THE "RECEIVE DATE AND TIME" INDICATED ON THE BID.
3. BID RESPONSES (PAGE 1, PRICE SHEET AND ADDENDUMS (WHEN SIGNATURE IS REQUIRED)) MUST BE IN INK OR TYPED ON THIS DOCUMENT. OR EXACT FORMAT WITH SIGNATURES BEING HANDWRITTEN ORIGINALS IN INK (PERSON SIGNING BID, NOTARY, AND NOTARY EXPIRATION), OR THE BID WILL BE REJECTED. UNLESS INDICATED IN THE BID, ALL PRICE PAGES MUST BE COMPLETED AND RETURNED. IF AN ITEM IS NOT BEING BID, IDENTIFY IT AS NB (NO-BID). PAGES SHOULD BE SECURED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR MISSING PAGES. FAXED BID RESPONSES WILL NOT BE ACCEPTED.
4. THE UNIT PRICE ALWAYS GOVERNS REGARDLESS OF THE EXTENDED AMOUNT. A UNIT PRICE CHANGE ON A LINE MUST BE INITIALED BY THE PERSON SIGNING THE BID, OR THAT LINE WILL BE REJECTED. THIS INCLUDES A CROSS-OUT, STRIKE-OVER, INK-OVER, WHITE-OUT, ERASURE, OR ANY OTHER METHOD CHANGING THE PRICE.
5. A "NO BID" MUST BE RETURNED TO REMAIN ON A CLASS/SUBCLASS. RETURN PAGE 1 OR NOTIFICATION PAGE MARKED "NO-BID". IDENTIFY IT ON THE ENVELOPE AS A "NO-BID". FAILING TO RESPOND TO 3 ITB'S WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. RESPONDING WITH 6 "NO-BIDS" WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. A "NO-BID" RECEIVED LATE IS CONSIDERED A NO RESPONSE.
6. THE DIVISION OF PURCHASING IS NOT RESPONSIBLE FOR MISINTERPRETATION OF DATA FAXED FROM THIS OFFICE.
7. THE DIVISION OF PURCHASING REQUIRES AN ORIGINAL AND A MINIMUM OF ONE COMPLETE EXACT COPY (TO INCLUDE SIGNATURE AND NOTARY) OF THE INVITATION-TO-BID RESPONSE. THE ORIGINAL AND THE COPY SHOULD BE SUBMITTED TOGETHER AS A BID PACKAGE. FAILURE TO MARK RESPONSES AS "ORIGINAL" AND/OR "COPY" COULD RESULT IN THE ENTIRE BID RESPONSE BEING REJECTED.
8. AN IMPROPERLY SUBMITTED BID, LATE BID, OR BID THAT IS CANCELLED ON OR BEFORE THE OPENING DATE WILL BE HELD FOR 90 DAYS AND THEN DESTROYED. THE BID MUST BE RETRIEVED DURING REGULAR WORK HOURS, MONDAY - FRIDAY, EXCEPT STATE HOLIDAYS. AFTER THE BID IS DESTROYED, THE DIVISION OF PURCHASING ASSUMES NO RESPONSIBILITY FOR THE DOCUMENT.

DISQUALIFIED/CANCELLED BID

BIDS THAT ARE IMPROPERLY SUBMITTED OR RECEIVED LATE WILL BE A RESPONSE FOR RECORD, BUT WILL NOT BE RETURNED OR A NOTIFICATION MAILED.

THE FOLLOWING IS A PARTIAL LIST WHEREBY A BID RESPONSE WILL BE DISQUALIFIED:

BID NUMBER NOT ON FACE OF ENVELOPE/COURIER PACKAGE/BOX
RESPONSES TO MULTIPLE BID NUMBERS IN SAME ENVELOPE NOT PROPERLY IDENTIFIED
BID RECEIVED LATE
BID NOT SIGNED/NOT ORIGINAL SIGNATURE
BID NOT NOTARIZED/NOT ORIGINAL SIGNATURE OF NOTARY AND/OR NO NOTARY EXPIRATION
NOTARIZED OWN SIGNATURE
REQUIRED INFORMATION NOT SUBMITTED WITH BID
FAILURE TO SUBMIT THE ORIGINAL BID AND A COMPLETE EXACT COPY

CERTIFICATION PURSUANT TO ACT NO. 2006-557

ALABAMA LAW (SECTION 41-4-116, CODE OF ALABAMA 1975) PROVIDES THAT EVERY BID SUBMITTED AND CONTRACT EXECUTED SHALL CONTAIN A CERTIFICATION THAT THE VENDOR, CONTRACTOR, AND ALL OF ITS AFFILIATES THAT MAKE SALES FOR DELIVERY INTO ALABAMA OR LEASES FOR USE IN ALABAMA ARE REGISTERED, COLLECTING, AND REMITTING ALABAMA STATE AND LOCAL SALES, USE, AND/OR LEASE TAX ON ALL TAXABLE SALES AND LEASES INTO ALABAMA. BY SUBMITTING THIS BID, THE BIDDER IS HEARBY CERTIFYING THAT THEY ARE IN FULL COMPLIANCE WITH ACT NO. 2006-557, THEY ARE NOT BARRED FROM BIDDING OR ENTERING INTO A CONTRACT PURSUANT TO 41-4-116, AND ACKNOWLEDGES THAT THE AWARDING AUTHORITY MAY DECLARE THE CONTRACT VOID IF THE CERTIFICATION IS FALSE.

SPECIAL TERMS & CONDITIONS

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INVITATION TO BID

INTENT TO AWARD

EFFECTIVE MAY 1, 2008, THE STATE OF ALABAMA - DIVISION OF PURCHASING WILL ISSUE AN 'INTENT TO AWARD' BEFORE A FINAL AWARD IS MADE. THE 'INTENT TO AWARD' WILL CONTINUE FOR A PERIOD OF FIVE (5) CALENDAR DAYS, AFTER WHICH A PURCHASE ORDER WILL BE PRODUCED. UPON FINAL AWARD, ALL RIGHTS TO PROTEST ARE FORFEITED. A DETAILED EXPLANATION OF THIS PROCESS MAY BE REVIEWED IN THE ALABAMA ADMINISTRATIVE CODE - CHAPTER 355-4-1(14).

ALTERNATE BID RESPONSE

UNLESS STATED ELSEWHERE IN THIS INVITATION-TO-BID (ITB) THE STATE OF ALABAMA WILL ACCEPT AND EVALUATE ALTERNATE BID SUBMITTALS ON ANY ITB'S. ALTERNATE BID RESPONSES WILL BE EVALUATED ACCORDING TO THE REQUIREMENTS AS ALL OTHER RESPONSES TO THIS ITB.

INTERNET WEBSITE LINK'S

INTERNET AND/OR WEBSITE LINKS WILL NOT BE ACCEPTED IN BID RESPONSES AS A MEANS TO SUPPLY ANY REQUIREMENTS STATED IN THIS ITB (INVITATION-TO-BID).

PRODUCT DELIVERY, RECEIVING AND ACCEPTANCE

IN ACCORDANCE WITH THE UNIVERSAL COMMERCE CODE (CODE OF ALABAMA, TITLE 7), AFTER DELIVERY, THE STATE OF ALABAMA HAS THE RIGHT TO INSPECT ALL PRODUCTS BEFORE ACCEPTING. THE STATE WILL INSPECT PRODUCTS IN A REASONABLE TIMEFRAME. SIGNATURE ON A DELIVERY DOCUMENT DOES NOT CONSTITUTE ACCEPTANCE BY THE STATE. THE STATE WILL ACCEPT PRODUCTS ONLY AFTER SATISFACTORY INSPECTION.

SALES TAX EXEMPTION

PURSUANT TO THE CODE OF ALABAMA, 1975, TITLE 40-23-4 (A) (11), THE STATE OF ALABAMA IS EXEMPT FROM PAYING SALES TAX. AN EXEMPTION LETTER WILL BE FURNISHED UPON REQUEST.

INVOICES

INQUIRIES CONCERNING PAYMENT AFTER INVOICES HAVE BEEN SUBMITTED ARE TO BE DIRECTED TO THE RECEIVING AGENCY, NOT THE DIVISION OF PURCHASING

BID RESPONSES AND BID RESULTS

UNEVALUATED BID RESPONSES (NOT BID RESULTS) ARE AVAILABLE ON OUR WEB SITE AT WWW.PURCHASING.ALABAMA.GOV. BID RESULTS WILL BE MADE AVAILABLE FOR REVIEW IN THE DIVISION OF PURCHASING OFFICE, BUT ONLY AFTER THE BID HAS BEEN AWARDED. WE DO NOT FAX OR MAIL COPIES OF BID RESULTS. IF A VENDOR WISHES TO REVIEW BID RESULTS IN OUR OFFICE, THEY SHOULD FAX THEIR REQUEST TO REVIEW THE BID TWO DAYS IN ADVANCE TO THE "BID REVIEW CLERK" AT (334) 242-4419. BE SURE TO REFERENCE THE BID NUMBER.

FOREIGN CORPORATION - CERTIFICATE OF AUTHORITY

ALABAMA LAW PROVIDES THAT A FOREIGN CORPORATION (AN OUT-OF-STATE COMPANY/FIRM) MAY NOT TRANSACT BUSINESS IN THE STATE OF ALABAMA UNTIL IT OBTAINS A CERTIFICATE OF AUTHORITY FROM THE SECRETARY OF STATE. SECTION 10-2B-15.01, CODE OF ALABAMA 1975. TO OBTAIN FORMS FOR A CERTIFICATE OF AUTHORITY, CONTACT THE SECRETARY OF STATE, CORPORATIONS DIVISION, (334) 242-5324. THE CERTIFICATE OF AUTHORITY DOES NOT KEEP THE VENDOR FROM SUBMITTING A BID.

BID IDENTIFICATION

REFERENCE PAGE 2, ITEM 2. DUE TO THE POSTAL SERVICE PUTTING BAR CODE LABELS ON ENVELOPES, IT CONCEALS THE BID NUMBER AND DATE IF THE VENDOR HAS WRITTEN THEM OTHER THAN THE LOWER LEFT CORNER, THEREFORE THE BID WOULD BE REJECTED FOR NOT BEING PROPERLY IDENTIFIED.

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PURPOSE:

THE PURPOSE OF THIS ITB IS TO ESTABLISH A CONTRACT FOR VEHICLE LIGHTS, SIRENS, AND BUMPERS FOR ALL STATE AGENCIES. CONTRACT PRICING MAY BE MADE AVAILABLE TO LOCAL CITIES, COUNTIES, SCHOOLS, ETC.

AWARD:

AWARD WILL BE MADE "ALL OR NONE" BY GROUPS AND LINE BY LINE TO THE LOWEST RESPONSIBLE BIDDER MEETING ALL SPECIFICATIONS.

* NOTE: % OFF LIST PRICE LINES WILL NOT BE TAKEN INTO ACCOUNT IN ANY GROUP TOTALS IN DETERMINING THE LOWEST BID.

DELIVERY TIME FRAME:

ALL ITEMS ORDERED MUST BE DELIVERED TO THE "SHIP TO" ADDRESS SHOWN ON THE P.O. WITHIN 48 HRS (DPS ITEMS) AND 72 HRS (DOT ITEMS).

DELIVERY:

ITEMS ARE TO BE DELIVERED TO VARIOUS LOCATIONS THROUGHOUT THE 67 COUNTIES IN ALABAMA. THE EXACT LOCATIONS AND QUANTITIES WILL BE PROVIDED BY THE ORDERING AGENCY.

FREIGHT:

BID IS F.O.B. DESTINATION. ANY FREIGHT CHARGES MUST BE INCLUDED IN THE BID PRICE AND NOT SHOWN SEPARATELY ON THE ITB OR INVOICE.

CONTRACT PERIOD:

ESTABLISH A 12 MONTH CONTRACT WITH AN OPTION TO EXTEND FOR A SECOND, THIRD, FOURTH, AND FIFTH 12 MONTH PERIOD WITH THE SAME PRICING, TERMS AND CONDITIONS. THE SECOND, THIRD, FOURTH, OR FIFTH 12 MONTH PERIOD, IF AGREED BY BOTH PARTIES, WOULD BEGIN THE DAY AFTER THE FIRST, SECOND, THIRD, OR FOURTH 12 MONTH PERIOD EXPIRES. ANY SUCCESSIVE EXTENSION MUST HAVE WRITTEN APPROVAL OF BOTH THE STATE AND VENDOR NO LATER THAN 30 DAYS PRIOR TO EXPIRATION OF THE PREVIOUS 12 MONTH PERIOD.

ORDERING PROCESS:

PURCHASES FOR STATE AGENCIES WILL BE MADE BY CONTRACT RELEASE ORDERS SHOWING SPECIFIC SHIPPING INFORMATION. CITIES, COUNTIES, SCHOOL SYSTEMS AND OTHER POLITICAL SUBDIVISIONS WILL BE RESPONSIBLE FOR ISSUING THEIR OWN PURCHASE ORDERS DIRECTLY TO THE VENDOR.

PRORATION:

ANY PROVISION OF A CONTRACT RESULTING FROM THIS BID TO THE CONTRARY NOTWITHSTANDING, IN THE EVENT OF FAILURE OF THE STATE TO MAKE PAYMENT HEREUNDER AS A RESULT OF PARTIAL UNAVAILABILITY, AT THE TIME SUCH PAYMENT IS DUE, OF SUCH SUFFICIENT REVENUES OF THE STATE TO MAKE SUCH PAYMENT (PRORATION OF APPROPRIATED FUNDS FOR THE STATE HAVING BEEN DECLARED BY THE GOVERNOR PURSUANT TO SECTION 41-4-90 OF THE CODE OF ALABAMA 1975), THE CONTRACTOR SHALL HAVE THE OPTION, IN ADDITION TO THE OTHER REMEDIES OF THE CONTRACT, OF RENEGOTIATING THE CONTRACT (EXTENDING OR CHANGING PAYMENT TERMS OR AMOUNTS) OR TERMINATING THE CONTRACT.

MANUFACTURER/MODEL:

AT THE END OF EACH ITEM WHERE SPACES ARE MARKED "MFR" AND "MODEL", VENDORS MUST INDICATE THE MANUFACTURER & ALL STOCK/MODEL NUMBERS NECESSARY TO COMPLETE EACH UNIT AS SPECIFIED.

THIS INFORMATION MUST BE COMPLETED, EVEN IF BIDDING THE RECOMMENDED MFR/MODEL, OR THE GROUP/LINE WILL BE REJECTED.

DESCRIPTIVE LITERATURE:

THE BRANDS AND MODEL NUMBERS REFERENCED PROVIDE A LEVEL OF QUALITY, AND UNLESS OTHERWISE SPECIFIED, ARE NOT RESTRICTIVE. VENDORS BIDDING ALTERNATE ITEMS MUST PROVIDE COMPLETE DESCRIPTIVE/TECHNICAL LITERATURE WITH BOTH THE ORIGINAL AND REQUIRED COPY OF THE BID. REFERENCE TO A WEBSITE OR TO LITERATURE WITH A PREVIOUS BID WILL NOT SATISFY THIS

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REQUIREMENT.

* NOTE: ALL BIDDERS MUST SUBMIT DESCRIPTIVE LITERATURE FOR LINES WITHOUT A REFERENCED MFR/MODEL.

FAILURE TO SUBMIT LITERATURE WITH THE ORIGINAL AND/OR REQUIRED COPY OF THE BID WILL RESULT IN GROUP/LINE REJECTION.

PHYSICAL INSPECTION AND OPERATIONAL EVALUATION MAY ALSO BE REQUIRED WITHOUT COST OR OBLIGATION TO THE STATE OF ALABAMA.

MATERIALS, SUPPLIES OR EQUIPMENT:

ALL MATERIALS, SUPPLIES OR EQUIPMENT BEING BID AND DELIVERED TO THE STATE SHALL BE NEW, UNUSED, OF RECENT MANUFACTURE, FIRST CLASS IN EVERY RESPECT, AND SUITABLE FOR THEIR INTENDED PURPOSE.

REQUESTED INFORMATION:

ANY ADDITIONAL INFORMATION REQUESTED FROM A VENDOR MUST BE FURNISHED WITHIN FIVE (5) BUSINESS DAYS FROM RECEIPT OF REQUEST.

WARRANTY INFORMATION:

EQUIPMENT SHALL BE WARRANTED FOR A MINIMUM OF TWELVE (12) MONTHS.* WARRANTY SHALL COVER ALL PARTS, LABOR & FREIGHT COST ASSOCIATED WITH REPAIRS AND/OR REPLACEMENT OF DEFECTIVE EQUIPMENT. ACCIDENTS, MISUSE AND NEGLIGENCE ARE NOT COVERED BY THIS WARRANTY. THE WARRANTY SHALL COMMENCE ON THE DATE THE EQUIPMENT IS PUT INTO SERVICE BY THE USING AGENCY. VENDOR WILL USE WHATEVER MEANS REQUIRED TO FACILITATE THIS WARRANTY, AND WILL INSURE TOTAL SATISFACTORY PERFORMANCE TO THE USING AGENCY.

* ABOVE WARRANTY WILL APPLY, EXCEPT FOR THE FOLLOWING:

DOT 2001-05 2 YEAR OVERALL AND 6 MONTH FLASH-TUBE WARRANTY
DOT 2001-10 5 YEAR OVERALL
DOT 2001-11 2 YEAR OVERALL AND 5 YEAR LED COMPONENTS WARRANTY
DOT 2001-15 2 YEAR OVERALL AND 6 MONTH FLASH-TUBE WARRANTY
DOT 2001-18 2 YEAR OVERALL AND 6 MONTH FLASH-TUBE WARRANTY
DOT 2004-01 2 YEAR OVERALL AND 6 MONTH FLASH TUBE WARRANTY
DOT 2010-01 2 YEAR OVERALL AND 5 YEAR LED COMPONENTS WARRANTY
DOT 2010-02 2 YEAR OVERALL AND 5 YEAR LED COMPONENTS WARRANTY
DOT 2010-03 2 YEAR OVERALL AND 5 YEAR LED COMPONENTS WARRANTY

DPS 2010-11 5 YEAR OVERALL
DPS 2010-12 2 YEAR OVERALL AND 1 YEAR STROBE FLASH

ALDOT STANDARDS:

DOT SPEC ITEMS LISTED WITHIN THIS CONTRACT MUST MEET APPLICABLE AL DEPT OF TRANSPORTATION (ALDOT) STANDARDS AND MUST BE LISTED ON THEIR QUALIFIED PRODUCTS LIST (QPL), IF APPLICABLE TO THE PRODUCT CATEGORY COVERED BY QPL. IF YOUR PRODUCT(S) ARE NOT ON THIS LIST OR IF YOU NEED TO QUALIFY THE QPL FOR ANY REASON, CONTACT ALDO RESEARCH & DEVELOPMENT BUREAU, MR. JOHN DERICKSON @ (334) 206-2240.

QUANTITY:

THE QUANTITY TO BE ORDERED FROM THIS CONTRACT IS UNKNOWN. AGENCIES WILL PLACE ORDERS AS NEEDED AND NO GUARANTEE IS MADE THAT ANY CERTAIN QUANTITY WILL BE PURCHASED FROM THIS CONTRACT.

AUTHORIZED DEALER:

AWARDED VENDORS MUST BE AN AUTHORIZED DEALER OF THE EQUIPMENT BID. IF REQUESTED, PROOF OF AUTHORIZATION MUST BE PROVIDED WITHIN FIVE (5) BUSINESS DAYS FROM DATE OF REQUEST. FAILURE TO PROVIDE PROOF OF AUTHORIZATION OR TO PROVIDE PROOF IN A TIMELY MANNER WILL RESULT IN GROUP/LINE REJECTION.

ADDITIONAL TESTING:

ITEMS MAY REQUIRE INDEPENDENT LABORATORY CERTIFICATION. IF SUCH CERTIFICATION IS REQUIRED, IT MUST BE PERFORMED AT THE VENDOR'S

SPECIAL TERMS & CONDITIONS

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EXPENSE, AT A LABORATORY OF THE STATE OF ALABAMA'S CHOOSING.

COLORS:

ITEMS REFERENCING A SPECIFIC COLOR IN THE SPECIFICATIONS ARE NOT
MEANT TO BE RESTRICTIVE AND MAY BE ORDERED IN DIFFERENT COLORS.

CHANGES TO COLOR SPECIFICATIONS WILL BE NOTED ON THE PURCHASE ORDER.

ATTACHMENTS

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***** IMPORTANT INFORMATION *****

IT IS THE VENDOR'S RESPONSIBILITY TO READ THIS ENTIRE DOCUMENT FROM BEGINNING TO END AND TO COMPLY WITH ALL INSTRUCTIONS AND TERMS AND CONDITIONS OF THE BID.

NOTE: BIDDERS MUST SUBMIT AN ORIGINAL AND A MINIMUM OF THREE (3) EXACT COMPLETE COPIES OF THE BID (INCLUDING SIGNATURE, NOTARY, & DESCRIPTIVE LITERATURE) OR THE BID WILL BE REJECTED. THIS TERM AND CONDITION REPLACES THE REQUIREMENT ON PAGE 2 OF THE ITB FOR AN ORIGINAL AND A MINIMUM OF ONE EXACT, COMPLETE COPY.

SPECIFICATION QUESTIONS MUST BE SUBMITTED TO THE BUYER, IN WRITING, NO LATER THAN 5:00 PM CENTRAL TIME ON 07/09/10. ANSWERS WILL BE GIVEN, IN THE SAME MANNER THE QUESTIONS WERE ASKED, TO ONLY THE VENDOR ASKING THE QUESTION. VENDORS MUST PROVIDE THE SPECIFICATION REFERENCE NUMBER (I.E. DOT 2001-05). SPECIFICATION QUESTIONS NOT SUBMITTED BY THE DEADLINE WILL NOT BE ADDRESSED.

IF SPECIFICATIONS ARE CHANGING, AN ADDENDUM WILL BE ISSUED. IT IS THE VENDOR'S RESPONSIBILITY TO CHECK STATE PURCHASING'S WEBSITE FOR ANY ADDENDUMS ISSUED TO A BID.

PROCEDURAL QUESTIONS MAY BE DIRECTED TO THE BUYER UP UNTIL THE BID SUBMISSION DEADLINE.

SUSAN JANA, BUYER
PHONE: (334) 242-7173 (NO SPEC QUESTIONS)
FAX: (334) 242-4419
EMAIL: SUSAN.JANA@PURCHASING.ALABAMA.GOV
POSTAL: SEE PAGE 1 OF ITB

PRICE SHEET

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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
UNLESS SPECIFIED OTHERWISE BELOW:					
SHIP TO: R1 /					
STATEWIDE					
----- --- BEGIN GROUPING LINES: 00001 -----					
00001	COMMODITY CODE: 055-57-049615 STROBE, SAE CLASS 1, 360 DEGREE, GASEOUS DISCHARGE, YELLOW/AMBER, 12 VOLT, PER ALDOT MBS 2001-05	1	EA		
MFR: _____ MODEL: _____ WHELEN 2022HPA* OR EQUAL					
00002	COMMODITY CODE: 055-57-049974 STROBE, SAE CLASS 1, 360 DEGREE, GASEOUS DISCHARGE, YELLOW/AMBER, 24 VOLT, PERMANENT MOUNT ONLY PER ALDOT MBS 2001- 05	1	EA		
MFR: _____ MODEL: _____ WHELEN 2022HPA* OR EQUAL					
00003	COMMODITY CODE: 055-57-053863 BEACON, SAE CLASS 1, 360 DEGREE, LED, YELLOW/AMBER, 12 VOLT, PER ALDOT MBS 2004-01	1	EA		
MFR: _____ MODEL: _____ WHELEN L21LA* OR EQUAL					
00004	COMMODITY CODE: 055-57-054047 BEACON, SAE CLASS 1, 360 DEGREE, LED, YELLOW/AMBER, 24 VOLT, PERMANENT MOUNT PER ALDOT MBS 2004-01	1	EA		
MFR: _____ MODEL: _____ WHELEN L21LAP4 OR EQUAL					
00005	COMMODITY CODE: 055-57-054626 LIGHTBAR, MINI, SAE CLASS 1, 360 DEGREE COVERAGE, LOW PROFILE, YELLOW/AMBER, 12 VOLT, LINEAR DISPLAY LED, MAGNETIC/ SUCTION MOUNT BETWEEN LENGTH 15" - 20", PER ALDOT MBS 2010-01	1	EA		
MFR: _____ MODEL: _____ FEDERAL SIGNAL 454200-AA OR EQUAL					
00006	COMMODITY CODE: 055-57-054742 LIGHTBAR, MINI, SAE CLASS 1, 360 DEGREE COVERAGE, HIGH PROFILE, YELLOW/AMBER, 12 VOLT, LINEAR DISPLAY LED, MAGNETIC/ SUCTION MOUNT BETWEEN LENGTH 20" - 30", PER ALDOT MBS 2010-01	1	EA		
MFR: _____ MODEL: _____ FEDERAL SIGNAL JLX2106C-HD OR EQUAL					

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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
00007	COMMODITY CODE: 055-57-055212 COMPACT DUAL LED LIGHTHEAD, PER ALDOT MBS 2001-18 MFR: _____ MODEL: _____ WHELEN AVN2AA OR EQUAL	1	EA	_____	_____
00008	COMMODITY CODE: 055-57-055352 PARTS AND ACCESSORIES FOR WARNING LIGHTS (POWER PACKS, MOUNTING BRACKETS, ETC) FOR LINES 01 - 07 ONLY _____ % OFF LIST PRICE	1	LOT	_____	_____
-----	---END GROUPING LINES: 00001 - 00008 -----			GRP TOTAL	_____
-----	--- BEGIN GROUPING LINES: 00009 -----				-----
00009	COMMODITY CODE: 055-57-069118 REMOTE WARNING SYSTEM, FOUR HEAD AMBER, LED INSERT OPTION, WITH FULL FEATURE POWER SUPPLY, PER ALDOT MBS 2010-03 MFR: _____ MODEL: _____ FEDERAL SIGNAL CLED4A-AAAA-HD OR EQUAL	1	EA	_____	_____
00010	COMMODITY CODE: 055-57-081005 LIGHTBAR, MULTI-HEAD, LED, LOW PROFILE, MINIMUM LENGTH OF 45", PER ALDOT MBS 2010-02 MFR: _____ MODEL: _____ FEDERAL SIGNAL LGD45-***** OR EQUAL	1	EA	_____	_____
00011	COMMODITY CODE: 055-57-081459 LIGHTBAR, MULTI-HEAD, LED, HIGH PROFILE, MINIMUM LENGTH OF 44", PER ALDOT MBS 2010-02 MFR: _____ MODEL: _____ WHELEN FX8AAAA OR EQUAL	1	EA	_____	_____
00012	COMMODITY CODE: 055-57-082730 LIGHTBAR, MULTI-HEAD, LED, LOW PROFILE, MINIMUM LENGTH OF 45", MINIMUM 6 LED MODULE TRAFFIC ADVISOR FACING THE REAR, PER ALDOT MBS 2010-02 MFR: _____ MODEL: _____ WHELEN SL8****W/TA OR EQUAL	1	EA	_____	_____
00013	COMMODITY CODE: 055-57-083663 DIRECTIONAL LIGHT ASSEMBLY (TRAFFIC ADVISOR), LED, 6 LIGHT, W/ GRILL MOUNT OPTION, PER ALDOT MBS 2001-11 MFR: _____ MODEL: _____	1	EA	_____	_____
00014	COMMODITY CODE: 055-57-083664 DIRECTIONAL LIGHT ASSEMBLY (TRAFFIC ADVISOR), LED, 8 LIGHT, W/ SURFACE MOUNT OPTION, PER ALDOT MBS 2001-11	1	EA	_____	_____

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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
	MFR: _____ MODEL: _____ WHELEN TAZ86 OR EQUAL				
00015	COMMODITY CODE: 055-57-083665 DIRECTIONAL LIGHT ASSEMBLY (TRAFFIC ADVISOR), LED, 8 LIGHT, W/ TRACK/RACK MOUNT OPTION, PER ALDOT MBS 2001-11	1	EA	_____	_____
	MFR: _____ MODEL: _____ FEDERAL SIGNAL 320782 OR EQUAL				
00016	COMMODITY CODE: 055-57-083670 SURFACE MOUNT, LED, WARNING LIGHT MODULE AMBER, 3-6 SQUARE INCHES, BEZEL/FLANGE MOUNT OPTION, PER ALDOT MBS 2001-10	1	EA	_____	_____
	MFR: _____ MODEL: _____ WHELEN SSA02CR OR EQUAL				
00017	COMMODITY CODE: 055-57-083671 SURFACE MOUNT, LED, WARNING LIGHT MODULE AMBER, 3-6 SQUARE INCHES, GROMMET MOUNT OPTION, PER ALDOT MBS 2001-10	1	EA	_____	_____
	MFR: _____ MODEL: _____ FEDERAL SIGNAL VPX802-2 OR EQUAL				
00018	COMMODITY CODE: 055-57-083672 SURFACE MOUNT, LED, WARNING LIGHT MODULE AMBER, 3-6 SQUARE INCHES, CLIP/BRAKET MOUNT OPTION, PER ALDOT MBS 2001-10	1	EA	_____	_____
	MFR: _____ MODEL: _____ FEDERAL SIGNAL IMPX302-2 OR EQUAL				
00019	COMMODITY CODE: 055-57-083674 SURFACE MOUNT, LED, WARNING LIGHT MODULE AMBER, 6-10 SQUARE INCHES, BEZEL/FLANGE MOUNT OPTION, PER ALDOT MBS 2001-10	1	EA	_____	_____
	MFR: _____ MODEL: _____ WHELEN LINZ6A OR EQUAL				
00020	COMMODITY CODE: 055-57-083724 SURFACE MOUNT, LED, WARNING LIGHT MODULE AMBER, 6-10 SQUARE INCHES, GROMMET MOUNT OPTION, PER ALDOT MBS 2001-10	1	EA	_____	_____
	MFR: _____ MODEL: _____ FEDERAL SIGNAL 360521-02 OR EQUAL				
00021	COMMODITY CODE: 055-57-091792 SURFACE MOUNT, LED, WARNING LIGHT MODULE AMBER, 6-10 SQUARE INCHES, CLIP/BRAKET MOUNT OPTION, PER ALDOT MBS 2001-10	1	EA	_____	_____
	MFR: _____ MODEL: _____ FEDERAL SIGNAL 360501-02 OR EQUAL				
00022	COMMODITY CODE: 055-57-091793 PARTS AND ACCESSORIES FOR WARNING LIGHTS	1	LOT	_____	_____

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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
	(POWER PACKS, MOUNTING RACKS, ETC) FOR LINES 09 - 21 ONLY				
	_____ % OFF LIST PRICE				
00023	COMMODITY CODE: 055-57-091794 INSTALLATION OF EQUIPMENT FOR LINES 09 - 19 ONLY (NEW EQUIPMENT ONLY)	1	HR	_____	_____
00024	COMMODITY CODE: 055-57-091795 INSTALLATION OF EQUIPMENT FOR LINES 09 - 19 ONLY (AGENCY OWNED EQUIPMENT ONLY)	1	HR	_____	_____
-----	---END GROUPING LINES: 00009 - 00024 -----	-----	-----	GRP TOTAL	_____
-----	--- BEGIN GROUPING LINES: 00025 -----	-----	-----	-----	-----
00025	COMMODITY CODE: 055-57-091796 STROBE, SURFACE MOUNT, YELLOW/AMBER, FOR HEAVY EQUIPMENT, PER ALDOT MBS 2001-15	1	EA	_____	_____
	MFR: _____ MODEL: _____ WHELEN HELSA OR EQUAL				
-----	---END GROUPING LINES: 00025 - 00025 -----	-----	-----	GRP TOTAL	_____
-----	--- BEGIN GROUPING LINES: 00026 -----	-----	-----	-----	-----
00026	COMMODITY CODE: 055-57-083666 DASH AND DECK LED LIGHTS W/ SYNCHROZINE FEATURE, SELF-CONTAINED, SNAP-ON HOOD TO MINIMIZE FLASHBACK TO OPERATOR, W/ ALL MOUNTING HARDWARE.	1	EA	_____	_____
	MINIMUM COLOR CHOICES: AMBER, GREEN, RED, BLUE, AND CLEAR				
	MFR: _____ MODEL: _____ WHELEN TLNS1* OR EQUAL				
00027	COMMODITY CODE: 055-57-083667 DASH AND DECK LED LIGHTS W/ SYNCHROZINE FEATURE, SELF-CONTAINED, SNAP-ON HOOD TO MINIMIZE FLASHBACK TO OPERATOR, W/ ALL MOUNTING HARDWARE.	1	EA	_____	_____
	MINIMUM COLOR CHOICES: AMBER, GREEN, RED, BLUE, AND CLEAR				
	MFR: _____ MODEL: _____ WHELEN TLN2S* OR EQUAL				
00028	COMMODITY CODE: 055-57-083668 HOURLY LABOR RATE, FOR INSTALLATION OF NEWLY PURCHASED EQUIPMENT ONLY FOR LINES 26 - 27 ONLY	1	HR	_____	_____
00029	COMMODITY CODE: 055-57-083669 HOURLY LABOR RATE, FOR INSTALLATION OF AGENCY OWNED EQUIPMENT ONLY FOR LINES 26 - 27 ONLY	1	HR	_____	_____

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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
-----	---END GROUPING LINES: 00026 - 00029 -----	-----	-----	GRP TOTAL	-----
-----	--- BEGIN GROUPING LINES: 00030 -----	-----	-----	-----	-----
00030	COMMODITY CODE: 055-79-001529 SIREN, ELECTRONIC, 100 WATT, THREE SIREN TONES, PUSH TO TALK SWITCH W/ MICROPHONE OVERRIDE OF ALL SIREN FUNCTIONS, BACKLIT FOR NIGHTTIME VISIBILITY, INCLUDES PA MIC AND BRACKETS AND ALL MOUNTING HARDWARE MFR: _____ MODEL: _____ WHELEN 295HF OR EQUAL	1	EA	-----	-----
00031	COMMODITY CODE: 055-79-047348 SPEAKER FOR ELECTRIC SIREN, 100 WATT, INCLUDES ALL MOUNTING HARDWARE MFR: _____ MODEL: _____ WHELEN SA314P OR EQUAL	1	EA	-----	-----
00032	COMMODITY CODE: 055-79-050328 HOURLY LABOR RATE, FOR INSTALLATION OF NEWLY PURCHASED EQUIPMENT ONLY FOR LINES 30 - 31 ONLY	1	HR	-----	-----
00033	COMMODITY CODE: 055-79-050329 HOURLY LABOR RATE, FOR INSTALLATION OF AGENCY OWNED EQUIPMENT ONLY FOR LINES 30 - 31 ONLY	1	HR	-----	-----
-----	---END GROUPING LINES: 00030 - 00033 -----	-----	-----	GRP TOTAL	-----
-----	--- BEGIN GROUPING LINES: 00034 -----	-----	-----	-----	-----
00034	COMMODITY CODE: 060-05-088699 PUSH BUMPER (GRILL GUARD) FOR CHEVROLET IMPALA, EASY INSTALL, NO CUTTING OR DRILLING, YEAR TO BE SPECIFIED ON ORDER MFR: _____ MODEL: _____ GO RHINO 5080 OR EQUAL	1	EA	-----	-----
00035	COMMODITY CODE: 060-05-088700 HOURLY LABOR RATE, FOR INSTALLATION OF NEWLY PURCHASED EQUIPMENT ONLY FOR LINE 34 ONLY	1	HR	-----	-----
00036	COMMODITY CODE: 060-05-088701 HOURLY LABOR RATE, FOR INSTALLATION OF AGENCY OWNED EQUIPMENT ONLY FOR LINE 34 ONLY	1	HR	-----	-----
-----	---END GROUPING LINES: 00034 - 00036 -----	-----	-----	GRP TOTAL	-----
-----	--- BEGIN GROUPING LINES: 00037 -----	-----	-----	-----	-----
00037	COMMODITY CODE: 060-05-091747 WRAP AROUND BRUSH GUARD FOR CHEVROLET IMPALA, EASY INSTALL, NO CUTTING OR DRILLING, YEAR TO BE SPECIFIED ON ORDER	1	EA	-----	-----
PAGE TOTAL					-----

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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
MFR: _____ MODEL: _____ GO RHINO 5080W OR EQUAL					
00038	COMMODITY CODE: 060-05-091748 HOURLY LABOR RATE, FOR INSTALLATION OF NEWLY PURCHASED EQUIPMENT ONLY FOR LINE 37 ONLY	1	HR	_____	_____
00039	COMMODITY CODE: 060-05-091749 HOURLY LABOR RATE, FOR INSTALLATION OF AGENCY OWNED EQUIPMENT ONLY FOR LINE 37 ONLY	1	HR	_____	_____
-----	---END GROUPING LINES: 00037 - 00039 -----	-----	GRP TOTAL	_____	_____
-----	--- BEGIN GROUPING LINES: 00040 -----	-----	-----	-----	-----
00040	COMMODITY CODE: 060-05-091750 PUSH BUMPER (GRILL GUARD) FOR DODGE MAGNUM, EASY INSTALL, NO CUTTING OR DRILLING, YEAR TO BE SPECIFIED ON ORDER	1	EA	_____	_____
MFR: _____ MODEL: _____ GO RHINO 5070B OR EQUAL					
00041	COMMODITY CODE: 060-05-091751 HOURLY LABOR RATE, FOR INSTALLATION OF NEWLY PURCHASED EQUIPMENT ONLY FOR LINE 40 ONLY	1	HR	_____	_____
00042	COMMODITY CODE: 060-05-091752 HOURLY LABOR RATE, FOR INSTALLATION OF AGENCY OWNED EQUIPMENT ONLY FOR LINE 40 ONLY	1	HR	_____	_____
-----	---END GROUPING LINES: 00040 - 00042 -----	-----	GRP TOTAL	_____	_____
-----	--- BEGIN GROUPING LINES: 00043 -----	-----	-----	-----	-----
00043	COMMODITY CODE: 060-05-091753 WRAP AROUND BRUSH GUARD FOR DODGE MAGNUM, EASY INSTALL, NO CUTTING OR DRILLING, YEAR TO BE SPECIFIED ON ORDER	1	EA	_____	_____
MFR: _____ MODEL: _____ GO RHINO 5070W OR EQUAL					
00044	COMMODITY CODE: 060-05-091754 HOURLY LABOR RATE, FOR INSTALLATION OF NEWLY PURCHASED EQUIPMENT ONLY FOR LINE 43 ONLY	1	HR	_____	_____
00045	COMMODITY CODE: 060-05-091755 HOURLY LABOR RATE, FOR INSTALLATION OF AGENCY OWNED EQUIPMENT ONLY FOR LINE 43 ONLY	1	HR	_____	_____
-----	---END GROUPING LINES: 00043 - 00045 -----	-----	GRP TOTAL	_____	_____
-----	--- BEGIN GROUPING LINES: 00046 -----	-----	-----	-----	-----
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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
00046	COMMODITY CODE: 060-05-091756 PUSH BUMPER (GRILL GUARD) FOR FORD EXPEDITION, EASY INSTALL, NO CUTTING OR DRILLING, YEAR TO BE SPECIFIED ON ORDER MFR: _____ MODEL: _____ GO RHINO 3285B OR EQUAL	1	EA	_____	_____
00047	COMMODITY CODE: 060-05-091757 HOURLY LABOR RATE, FOR INSTALLATION OF NEWLY PURCHASED EQUIPMENT ONLY FOR LINE 46 ONLY	1	HR	_____	_____
00048	COMMODITY CODE: 060-05-091758 HOURLY LABOR RATE, FOR INSTALLATION OF AGENCY OWNED EQUIPMENT ONLY FOR LINE 46 ONLY	1	HR	_____	_____
-----	---END GROUPING LINES: 00046 - 00048 -----		-----	GRP TOTAL	_____
-----	--- BEGIN GROUPING LINES: 00049 -----		-----	-----	-----
00049	COMMODITY CODE: 060-05-091759 WRAP AROUND BRUSH GUARD FOR FORD EXPEDITION, EASY INSTALL, NO CUTTING OR DRILLING, YEAR TO BE SPECIFIED ON ORDER MFR: _____ MODEL: _____ GO RHINO 3285W OR EQUAL	1	EA	_____	_____
00050	COMMODITY CODE: 060-05-091760 HOURLY LABOR RATE, FOR INSTALLATION OF NEWLY PURCHASED EQUIPMENT ONLY FOR LINE 49 ONLY	1	HR	_____	_____
00051	COMMODITY CODE: 060-05-091761 HOURLY LABOR RATE, FOR INSTALLATION OF AGENCY OWNED EQUIPMENT ONLY FOR LINE 49 ONLY	1	HR	_____	_____
-----	---END GROUPING LINES: 00049 - 00051 -----		-----	GRP TOTAL	_____
-----	--- BEGIN GROUPING LINES: 00052 -----		-----	-----	-----
00052	COMMODITY CODE: 060-05-091762 PUSH BUMPER (GRILL GUARD) FOR FORD CROWN VIC, EASY INSTALL, NO CUTTING OR DRILLING, YEAR TO BE SPECIFIED ON ORDER MFR: _____ MODEL: _____ GO RHINO 503B OR EQUAL	1	EA	_____	_____
00053	COMMODITY CODE: 060-05-091763 HOURLY LABOR RATE, FOR INSTALLATION OF NEWLY PURCHASED EQUIPMENT ONLY FOR LINE 52 ONLY	1	HR	_____	_____
00054	COMMODITY CODE: 060-05-091764 HOURLY LABOR RATE, FOR INSTALLATION OF AGENCY OWNED EQUIPMENT ONLY FOR LINE 52 ONLY	1	HR	_____	_____

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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
-----	---END GROUPING LINES: 00052 - 00054 -----	-----	-----	GRP TOTAL	-----
-----	--- BEGIN GROUPING LINES: 00055 -----	-----	-----	-----	-----
00055	COMMODITY CODE: 060-05-091765 WRAP AROUND BRUSH GUARD FOR FORD CROWN VICTORIA, EASY INSTALL, NO CUTTING OR DRILLING, YEAR TO BE SPECIFIED ON ORDER MFR: _____ MODEL: _____ GO RHINO 5038W OR EQUAL	1	EA	-----	-----
00056	COMMODITY CODE: 060-05-091766 HOURLY LABOR RATE, FOR INSTALLATION OF NEWLY PURCHASED EQUIPMENT ONLY FOR LINE 55 ONLY	1	HR	-----	-----
00057	COMMODITY CODE: 060-05-091767 HOURLY LABOR RATE, FOR INSTALLATION OF AGENCY OWNED EQUIPMENT ONLY FOR LINE 55 ONLY	1	HR	-----	-----
-----	---END GROUPING LINES: 00055 - 00057 -----	-----	-----	GRP TOTAL	-----
00058	COMMODITY CODE: 055-57-091811 EMERGENCY VEHICLE LIGHT BAR - 4 LAMP, PER DPS 2010-01 SPECS WHELEN LIBERTY SERIES SX8 LFL ONLY	1	EA	-----	-----
00059	COMMODITY CODE: 055-57-091812 SELF-CONTAINED SURFACE MOUNT DIRECTIONAL LED HEAD ASSEMBLY, PER DPS 2010-02 SPECS WHELEN 500 SERIES SUPER LED SERIES, 50B02ZCR/5LSMAB ONLY	1	EA	-----	-----
00060	COMMODITY CODE: 055-57-091813 SUPER LED DASH LIGHT, PER DPS 2010-03 SPECS WHELEN AVN2 ONLY	1	EA	-----	-----
00061	COMMODITY CODE: 055-57-091814 6 LED HIDEAWAY HEAD ASSEMBLY, PER DPS 2010-04 SPECS WHELEN VTX609 ONLY	1	EA	-----	-----
00062	COMMODITY CODE: 055-57-091815 LED DIRECTIONAL WARNING LIGHT - 4 PANEL, PER DPS 2010-05 SPECS WHELEN D4 ONLY	1	EA	-----	-----
00063	COMMODITY CODE: 055-57-091816 LED DIRECTIONAL WARNING LIGHT - 6 PANEL, PER DPS 2010-06 SPECS WHELEN DOMINATOR D6 ONLY	1	EA	-----	-----
00064	COMMODITY CODE: 055-57-091817	1	EA	-----	-----
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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
	LED DIRECTIONAL WARNING LIGHT - 8 PANEL, PER DPS 2010-07 SPECS				
	WHELEN DOMINATOR D8 ONLY				
00065	COMMODITY CODE: 055-57-091818 LED FOG LIGHT - DODGE CHARGER, PER DPS 2010-08 SPECS	1	EA		
	WHELEN FEDC06*R ONLY				
00066	COMMODITY CODE: 055-57-091819 LED INTERIOR LIGHT BAR - 4 PANEL, PER DPS 2010-09 SPECS	1	EA		
	WHELEN 113UF8 ONLY				
00067	COMMODITY CODE: 055-57-091820 LED DIRECTIONAL LIGHTHEAD SYSTEM, PER DPS 2010-10 SPECS	1	EA		
	WHELEN LINZ6R, LINZ6B, (2) RBKT1 ONLY				
00068	COMMODITY CODE: 055-57-091821 TIR3-LED DIRECTIONAL HEAD ASSEMBLY, PER DPS 2010-11 SPECS	1	EA		
	MFR: _____ MODEL: _____ WHELEN TIR3 RSB03ZCR OR EQUAL				
00069	COMMODITY CODE: 055-57-091822 UNDERCOVER 4 STROBE LIGHT REMOTE SYSTEM, PER DPS 2010-12 SPECS	1	EA		
	MFR: _____ MODEL: _____ WHELEN CSPP690 POWER SUPPLY, (4) HA238C OR EQUAL				
00070	COMMODITY CODE: 055-57-091823 ULTRA SLIM PROFILE DASH LIGHT, PER DPS 2010-13 SPECS	1	EA		
	MFR: _____ MODEL: _____ WHELEN SLIMLIGHTER SLPMM/SLPBKT1 OR EQUAL				
00071	COMMODITY CODE: 055-57-091824 3 LAMP LINEAR LED INNER WINDSHIELD LIGHT PER DPS 2010-14 SPECS	1	EA		
	MFR: _____ MODEL: _____ WHELEN INNER EDGE THREE LAMP SERIES IO2UF OR EQUAL				
00072	COMMODITY CODE: 055-79-091832 SIREN SPEAKER - 100W, PER DPS 2010-15 SPECS	1	EA		
	MFR: _____ MODEL: _____ WHELEN 315P OR EQUAL				
00073	COMMODITY CODE: 055-57-091825	1	EA		
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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
	MOTORCYCLE WINDSHIELD LED LIGHT ARRAY, PER DPS 2010-16 SPECS				
	MFR: _____ MODEL: _____ WHELEN M01LB OR EQUAL				
00074	COMMODITY CODE: 055-57-091826 HARLEY DAVIDSON SIDE SADDLE LIGHT MOUNT- ING BRACKET - SIDE CRASHBAR MOUNT, PER DPS 2010-17 SPECS	1	EA	_____	_____
	MFR: _____ MODEL: _____ WHELEN RBKTHD2 OR EQUAL				
00075	COMMODITY CODE: 055-57-091827 HARLEY DAVIDSON SIDE SADDLE LIGHT MOUNT- ING BRACKET - REAR CRASHBAR MOUNT, PER DPS 2010-18 SPECS	1	EA	_____	_____
	MFR: _____ MODEL: _____ WHELEN RBKTHD3 OR EQUAL				
00076	COMMODITY CODE: 055-57-091828 HARLEY DAVIDSON WINDSHIELD OR FORKS MOUNTING BRACKET, PER DPS 2010-19 SPECS	1	EA	_____	_____
	MFR: _____ MODEL: _____ WHELEN RBKTHD1 OR EQUAL				
00077	COMMODITY CODE: 060-05-091833 FORD CROWN VICTORIA PUSH BUMPER - BLACK, PER DPS 2010-20 SPECS	1	EA	_____	_____
	MFR: _____ MODEL: _____ GO RHINO 5038 OR EQUAL				
00078	COMMODITY CODE: 060-05-091834 CHEVY TAHOE-SUBURBAN GRILLE GUARD, PER DPS 2010-21 SPECS	1	EA	_____	_____
	MFR: _____ MODEL: _____ GO RHINO 3160B OR EQUAL				
00079	COMMODITY CODE: 060-05-091835 DODGE CHARGER GRILLE GUARD, PER DPS 2010-22 SPECS	1	EA	_____	_____
	MFR: _____ MODEL: _____ GO RHINO 5075 OR EQUAL				
00080	COMMODITY CODE: 055-24-091836 VEHICLE PARTITION - CROWN VICTORIA, PER DPS 2010-23 SPECS	1	EA	_____	_____
	MFR: _____ MODEL: _____ PRO-GARD P2604 OR EQUAL				
00081	COMMODITY CODE: 055-24-091837 VEHICLE PARTITION - IMPALA, PER DPS 2010-24 SPECS	1	EA	_____	_____
	MFR: _____ MODEL: _____				

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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
	PRO-GARD P5204I06A OR EQUAL				
00082	COMMODITY CODE: 055-24-091838 VEHICLE PARTITION - CHARGER, PER DPS 2010-25 SPECS MFR: _____ MODEL: _____ PRO-GARD P5604C06A OR EQUAL	1	EA	_____	_____
00083	COMMODITY CODE: 070-42-091839 TAHOE CONSOLE, PER DPS 2010-26 SPECS MFR: _____ MODEL: _____ HAVIS C-3010/C-AP-1395/C-TMW OR EQUAL	1	EA	_____	_____
00084	COMMODITY CODE: 070-42-091840 CHARGER CONSOLE, PER DPS 2010-27 SPECS MFR: _____ MODEL: _____ HAVIS C-VS-2400 OR EQUAL	1	EA	_____	_____
00085	COMMODITY CODE: 055-57-091829 4 PANEL LED INTERIOR LIGHTBAR - CHARGER, PER DPS 2010-28 SPECS WHELEN SUPER LED INNER EDGE I07UFZ ONLY	1	EA	_____	_____
00086	COMMODITY CODE: 055-57-091830 4 PANEL LED INTERIOR LIGHTBAR - EXPEDITION, PER DPS 2010-29 SPECS WHELEN SUPER LED INNER EDGE I08UFZ ONLY	1	EA	_____	_____
00087	COMMODITY CODE: 055-57-091831 REAR FACING INNER DECK LIGHT, PER DPS 2010-30 SPECS MFR: _____ MODEL: _____ WHELEN I07LRALB OR EQUAL	1	EA	_____	_____

PAGE TOTAL

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Joe McInnes
TRANSPORTATION DIRECTOR

Maintenance Bureau Specification 2001-05 for

Class 1 Strobe Beacon (Gaseous Discharge)

(9 February 2010)

This document describes the features and specifications for a “360-Degree, Class 1, Strobe Beacon”.

1.0 Features:

- 1.01 Unit shall be a 360 degree strobe (gaseous discharge).
- 1.02 Shall produce at a minimum a 70 quad/quint flash pattern per minute(280/350 total flashes).
- 1.03 The flash tube shall not be obstructed in any way; it shall be “Helix” shaped and easily replaceable without using any mechanical hardware, nor require the un-installation/removal of the unit from the vehicle.
- 1.04 Unit shall meet or exceed SAE J845 and J1318 requirements for a Class 1 strobe warning beacon.
- 1.05 Dimensions of light should be between 4” & 8” in height and between 6” & 8” in diameter.
- 1.06 All components shall be fully enclosed and sealed to protect against moisture and vibration, in either a cast aluminum or polycarbonate base.
- 1.07 The base of the unit shall be capable of one of the following mounting options: **Permanent Mount** - Have at least 2 mounting holes to enable mounting on a flat surface or shall also be available with a 1” NPT pipe mount; **Temporary Mount** - a magnetic mount w/sufficient length cord and cigar plug with on/off switch.
- 1.08 Dome (lens) shall be constructed of a polycarbonate material and amber in color.
- 1.09 A method to prohibit the dispersal of light through the top of the dome shall be provided.
- 1.10 Amp draw shall not exceed 2.5 amps @ 12 VDC.
- 1.11 Unit shall be capable of attaching optional branch guard.
- 1.12 Unit shall have Hi/Lo intensity capability, either manually or automatic.
- 1.13 Unit shall be capable of operating at either an operating voltage of 12 or 24 VDC.

Maintenance Bureau Specification 2001-05
for
Class 1 Strobe Beacon (Gaseous Discharge)

- 1.14 Unit shall include all mounting hardware for desired installation at the time of order.
- 1.15 Unit shall include one (1) set of installation and operation instructions, in English.



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Joe McInnes
TRANSPORTATION DIRECTOR

Maintenance Bureau Specification 2001-10
for
LED Surface Mount
(21 January 2010)

This document describes the features and specifications for a "LED Surface Mount".

1.0 Features:

- 1.01 Unit shall meet or exceed current SAE applicable standards.
- 1.02 Unit shall operate at 12 VDC.
- 1.03 Unit shall be encapsulated for heavy-duty vibration and moisture resistance with a minimum wire length of 6" for power, communication, and control.
- 1.04 Unit shall contain sufficient LEDs and wide angle optics lens to provide visibility when viewed at a deflection angle of ± 30 -degrees from head on.
- 1.05 Unit shall contain a minimum of eight (8) built-in standard, flash patterns, that are easily changeable when unit is installed.
- 1.06 Unit shall display either yellow(amber) or white.
- 1.07 Unit may have the option of having a split display with both yellow(amber) and white.
- 1.08 Unit shall contain a polycarbonate lens in either clear or amber, depending on the use and design.
- 1.09 Unit shall include all related material required for the installation of the unit based on the mounting option selected: **Bezel/Flange** option mounts directly to surface, requiring a small hole for wiring and attaching; **Grommet** option mounts into the surface, requiring a hole just larger than the unit; **Clip/Bracket** option allows the unit to mount to non-vertically flat surfaces such as in grills, under bumpers, etc.
- 1.10 Unit shall be capable of coordination with other like units.
- 1.11 Unit shall include one (1) set of installation and operation instructions, in English.



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Maintenance Bureau Specification 2001-11
for
LED Directional Light Assembly
(19 February 2010)

This document describes the features and specifications for a "LED Directional Light Assembly" (Traffic Advisor).

1.0 Features:

- 1.01 Each unit shall include all necessary mounting and installation hardware and appropriate length cable from power connection to control unit.
- 1.02 Mounting hardware shall be available to allow the 'LED Directional Light Assembly' to be attached to an existing lightbar or as a stand-alone device.
- 1.03 Each unit shall consist of a minimum of six (6) yellow (amber) LED modules mounted horizontally, not to exceed 10 LED modules. The end LED modules can be special arrow modules or the same as the interior modules. Each module shall be replaceable from the front of the assembly.
- 1.04 Each LED module shall have its own independent, impact-resistant, polycarbonate, amber, lens.
- 1.05 Each LED module shall be housed in a heavy-duty, extruded aluminum housing that is front-side serviceable.
- 1.06 Each unit or LED module may have an optional horizontal visor that covers and extends beyond the edge of the reflector dome to improve effectiveness during daylight hours. Exception to this is when the unit is installed in the front grill of a vehicle.
- 1.07 The maximum amperage draw per LED module shall not exceed 0.5 amps @ 12 VDC.
- 1.08 The controller for the unit shall be capable of producing, at a minimum, the following four patterns: Left to Right sequential, Right to Left sequential, Split-Out from center, and Cautionary Flash.
- 1.09 The controller shall be separate from the display unit and capable of being mounted inside the vehicle.
- 1.10 The controller shall contain a switch for selecting the above patterns, as well as a LED status display to visually imitate the pattern being shown on the unit.

Maintenance Bureau Specification 2001-11
for
LED Directional Light Assembly

- 1.11 The controller shall produce, at a minimum, twenty pattern cycles per minute for any of the above listed patterns.
- 1.12 The unit shall be capable of operating from a 12 VDC power source.
- 1.13 Unit shall come complete with all applicable mounting hardware for either grill mount, surface mount, or track/rack mount options. Also, with sufficient cable lengths to power and operate the unit.
- 1.14 Unit shall include one (1) set of installation and operation instructions, in English.



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Maintenance Bureau Specification 2001-15
for
180° Heavy Equipment Strobe
(5 February 2010)

This document describes the features and specifications for a “180° Heavy Equipment Strobe”.

1.0 Features:

- 1.01 Unit shall have separate power supply with flash capability.
- 1.02 Unit shall feature a high-profile, slimline design.
- 1.03 Unit size shall not exceed 5” in height, 4” in width, and 12” in length.
- 1.04 Unit shall provide 180-degree warning coverage (horizontally) when mounted on a vertical plane. Unit shall be designed for sub-roof line mounting on heavy, roadworking equipment.
- 1.05 Unit shall include all mounting hardware and shielded cable harness.
- 1.06 Unit base shall be cast aluminum with rubber gasket to provide weatherproof seal between the base and vehicle.
- 1.07 Unit shall come with an optically corrected amber lens to ensure 180-degree coverage.
- 1.08 Unit shall be capable of operating at a voltage of 12 or 24 VDC.
- 1.09 Unit shall include one (1) set of installation and operation instructions, in English.



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Maintenance Bureau Specification 2001-18
for
COMPACT DUAL LED LIGHTHEAD
(5 February 2010)

This document describes the features and specifications for a "Compact, Dual LED Lighthead".

1.0 Features:

- 1.01 Unit shall be comprised of two (2) compact LED heads in the following possible configurations: one head with amber LEDs and the other head with clear LEDs; or two (2) amber LED heads. [NOTE: Should the device ever be installed to face the rear of the vehicle, then the two (2) amber LED head model shall be used]
- 1.02 The lens for each strobe head shall be constructed of a polycarbonate material.
- 1.03 The LED panels shall be housed in a black, polycarbonate housing that can be mounted to the windshield via suction cups. The ability to mount this to the dash or deck is optional at the users request.
- 1.04 Unit shall be capable of providing nearly uniform lighting intensity up to 45-degrees on either side of the unit, 90-degrees total.
- 1.05 The unit size shall not exceed 5" in height, 3" in depth (not counting hood), and 12" in width.
- 1.06 Unit shall be supplied standard with a snap-on hood, constructed of black polycarbonate material to reduce flashback to the driver.
- 1.07 Unit shall provide a minimum of eight (8) user selectable flash patterns. A default flash pattern shall be provided and will be the last pattern selected by the operator prior to power down; last selected shall be the default pattern upon turn on of the unit.
- 1.08 Average amp draw shall not exceed 2.2 amps @ 12 VDC.
- 1.09 Unit shall be equipped with a minimum 8' power chord with cigar plug. The cigar plug shall be equipped with an on/off switch and also house a LED "On" indicator.
- 1.10 Unit shall include one (1) set of installation and operation instructions, in English.



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Maintenance Bureau Specification 2004-01 for

Class 1 LED Beacon

(9 February 2010)

This document describes the features and specifications for a “360-Degree, Class 1, LED Beacon”.

1.0 General

- 1.01 Unit shall be a 360 degree LED beacon.
- 1.02 Shall produce at a minimum a 60 quad/quint flash pattern per minute(240/300 total flashes) along with other user selectable flash patterns.
- 1.03 Unit shall meet or exceed SAE J845 requirements for a Class 1 warning beacon.
- 1.04 Dimensions of light should be between 4” & 8” in height and between 6” & 8” in diameter.
- 1.05 The LED beacon shall feature solid-state circuitry, polarity protection and no moving parts for highest degree of reliability.
- 1.06 The LED module shall not be obstructed in any way; it shall be easily replaceable with using any mechanical hardware, nor require the un-installation/removal of the unit from the vehicle.
- 1.07 The base of the unit shall be capable of one of the following mounting options: **Permanent Mount** - Have at least 2 mounting holes to enable mounting on a flat surface or shall also be available with a 1” NPT pipe mount; **Temporary Mount** - a magnetic mount w/sufficient length cord and cigar plug with on/off switch.
- 1.08 Domes (lenses) shall be constructed of polycarbonate material and shall be amber in color.
- 1.09 A method to prohibit the dispersal of light through the top of the dome shall be provided.
- 1.10 Average amp draw shall not exceed 1.2 amp at 12 VDC during operation.
- 1.11 Unit shall be capable of attaching an optional branch guard.
- 1.12 Unit shall be capable of operating at an operating voltage of 12 or 24 VDC.
- 1.13 The LED beacon electronics shall be conformal coated with an electrically inert material, or similar environmental protection, to make them resistant to corrosion, moisture, dust, and vibration related to failure. The electronics shall be housed within either a cast

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for
Class 1 LED Beacon

aluminum or polycarbonate base, with no parts such as screws, fasteners, or wires being exposed to moisture other environmental hazards.

- 1.14 Unit shall include all mounting hardware for desired installation at the time of order.
- 1.15 Unit shall include one (1) set of installation and operation instructions, in English.



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Maintenance Bureau Specification 2010-01
for
LED Mini-Lightbar
(9 February 2010)

This document describes the features and specifications for a general "LED Mini-Lightbar". This specification will cover a wide range of sizes and mounting options.

1.0 Features:

- 1.01 Unit shall have enough LED modules to provide 360-degree combined coverage around the light-bar.
- 1.02 Unit shall meet or exceed SAE J845 requirements for a Class 1 warning beacon.
- 1.03 The unit shall be configured so that the unit can flashed simultaneously as a whole or alternately from one-half to the other.
- 1.04 All internal components, such as LED modules and power supplies, shall be modular in design for ease of replacement.
- 1.05 LED modules shall be available in one of two LED display types, regardless of the lens and reflector technology used to achieve the display (general appearance of the modules when not illuminated); Dot or Linear.
 - a. **Dot Display:** LEDs in this display type will show individual LED dots for each LED used in the module, giving the appearance of illuminated dots.
 - b. **Linear Display:** LEDs in this display type will appear to represent a vertical line of light from each LED used in the module. This shall apply to both vertical and horizontal displays.
- 1.06 Unit shall produce at a minimum a 70 quad/quit flash pattern per minute(280/350 total flashes) with other user selectable flash patterns as required.
- 1.07 Each unit shall be classified as either a "low profile" or "high profile" unit and shall not exceed 12" in width and 30" in length.
 - a. **Low Profile:** Refers to lightbars that do not exceed 3½ inches in height, not including the mounting option.
 - b. **High Profile:** Refers to lightbars that are greater-than 3½ inches in height yet less-than 6 inches in height, not including the mounting option.

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For
LED Mini-Lightbar

- 1.08 Unit shall have a heavy gauge, extruded aluminum or polycarbonate chassis/base which resists stress. The base of the unit shall also be capable of one of the following mounting options: **Permanent Mount** - Have a means of attaching the device directly to the vehicle or through the use on a rail/rack type system; **Temporary Mount** - a magnetic or magnetic/suction mount w/sufficient length cord and cigar plug with on/off switch.
- 1.10 Each unit shall be provided with an amber polycarbonate outer dome.
- 1.11 Unit shall be capable of operating on a voltage of 12 VDC through the use of a cord with an attached cigar plug configured with an on/off switch. The length of the cord shall be of sufficient length to operate the unit centered on the roof of the vehicle.
- 1.12 Average amp draw per unit shall not exceed 3.0 amps @ 12 VDC.
- 1.13 Unit may be equipped with an optional manual or automatic "Hi/Lo" intensity mode selector.
- 1.14 All units shall come complete with all applicable mounting hardware for the magnetic/suction mount option.
- 1.15 Unit shall include one (1) set of installation and operation instructions, in English.



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Maintenance Bureau Specification 2010-02
for
Multi-Head LED Lightbar
(9 February 2010)

**This document describes the features and specifications for a “Multi-Head, LED, Lightbar”.
This specification will cover a wide of sizes.**

1.0 Features:

- 1.01 Unit shall have enough LED modules to provide 360-degree combined coverage from the ends of the lightbar.
- 1.02 The minimum configuration of the units shall consist of amber LED modules on each end providing 180-degree coverage each and a minimum of six (6) centroid LED module slots facing the front and rear of the unit. Four (4) of the six (6) slots facing the front shall be either amber or clear LED modules, as required by the user. Shall be capable of incorporating additional LED or light modules in both the front and back centroid of the unit.
- 1.03 LED modules shall be available in one of two LED display types, regardless of the lens and reflector technology used to achieve the display general appearance of the modules when not illuminated); Dot or Linear.
 - a. **Dot Display:** LEDs in this display type will show individual LED dots for each LED used in the module, giving the appearance of illuminated dots.
 - b. **Linear Display:** LEDs in this display type will appear to represent a vertical line of light from each LED used in the module. This shall apply to both vertical and horizontal displays.
- 1.04 The back six (6) centroid LED module slots, if required, shall be capable of being utilized as a traffic advisor.
- 1.05 When including the optional traffic advisor, the controller for the traffic advisor shall be capable of producing, at a minimum, the following four patterns: Left to Right sequential, Right to Left sequential, Split-Out from the center, and Cautionary Flash.
- 1.06 The controller shall produce, at a minimum, twenty pattern cycles per minute for any of the above listed patterns.
- 1.07 All internal components, such as LED modules and power supplies, shall be modular in design for ease of replacement without removing the lightbar from the roof of the vehicle.

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for
Multi-Head LED Lightbar

- 1.08 Unit shall meet or exceed SAE J845 requirements for a Class 1 warning beacon.
- 1.09 Each LED module used shall produce at a minimum a 70 quad/quit flash pattern per minute(280/350 total flashes) with other user selectable flash patterns as required.
- 1.10 Unit shall be capable of operating on a voltage range of 12 VDC.
- 1.11 Each unit shall be classified as either a "low profile" or "high profile" unit and shall not exceed 12 inches in width and have a minimum length greater than 40 inches.
 - a. **Low Profile:** Refers to lightbars that do not exceed 3½ inches in height, not including the mounting option.
 - b. **High Profile:** Refers to lightbars that are greater-than 3½ inches in height yet less-than 6 inches in height, not including the mounting option.
- 1.12 Unit shall have a heavy gauge, extruded aluminum base or I-beam chassis which resists stress.
- 1.13 Each unit shall be provided with polycarbonate lens, color appropriate to the layout, either amber or clear as required.
- 1.14 Average amp draw per LED module shall not exceed 0.5 amps @ 12 VDC.
- 1.15 Unit shall have a manual or automatic "Hi/Lo" intensity mode.
- 1.16 All units shall come complete with all applicable mounting hardware.
- 1.17 Unit shall include one (1) set of installation and operation instructions, in English.



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Maintenance Bureau Specification 2010-03
for
4 Corner-Remote LED Warning System
(10 February 2010)

This document describes the features and specifications for a "4 Corner, Remote LED Warning System".

1.0 Features:

- 1.01 Each system shall consist of 4 light heads, a power and control system, and applicable wire/cabling and hardware for a complete install.
- 1.02 The system electronics, power supply and control, shall be solid state and utilize the most recent technology to provide reliable operation in heavy duty applications.
- 1.03 The system shall be able to operate at a voltage of 12 or 24 VDC, depending on the user application.
- 1.04 Unit shall include all mounting hardware required for installation based on the mounting option selected: **Bezel/Flange** option mounts the light directly to surface, requiring a small hole for wiring and attaching to the side of a vehicles body; **Insert** option requires the drilling of a hole into the existing vehicle light assembly to allow the insertion of the light head into the vehicle's light assembly to utilize the existing housing and reflectors. The light head shall utilize some sort of gasket to seal the light head to the vehicle's light assembly.
- 1.05 The system supply shall produce, at a minimum, a 70 flash per minute pattern, per head, along with other user selectable flash patterns.
- 1.06 The power source for this system shall be either a central power supply or an inline power supply system as follows.
 - a. **Central Power Supply:** A system that utilizes a central device that contains all components required to operate the light system, power and flash control. All the lights in the system are routed/connected solely to this component for power and control.
 - b. **Inline Power Supply:** A system that does not utilize a central device to power and control the light system. One or more lights can be connected to this device. Coordination shall be accomplished through the connection of the inline devices by a communication line for synchronization. The inline power supply components shall be fully encapsulated for moisture and vibration resistance.

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for
4 Corner-Remote LED Warning System

- 1.07 The system shall provide for a controller device in the cab of the vehicle installed to allow control of the lights, programming and activation. The system shall be capable of operating only the front or rear lights independently in case only half the system is required for a given application.
- 1.08 Interconnect cables shall be a minimum of 20 feet in length with waterproof connectors.
- 1.09 Wires or connectors leaving the LED head shall be sealed to prevent moisture or dust from entering the LED head.
- 1.10 The system shall include 4, remote LED heads mounted on a metallic base to help dissipate heat and enclosed in a sealed lens of the required color specified by the user as follows: Either 4 yellow (amber) LED heads or 2 clear LED heads (vehicle front), and 2 yellow (amber) LED heads (vehicle rear).

EMERGENCY VEHICLE LIGHTBAR – 4 LAMP

1.00 LED LIGHTBAR

- 1.01 The main structure of the lightbar must be a two-piece extruded aluminum top and bottom. Lightbars with plastic/polycarbonate tops are not acceptable. The lightbar shall house all electronic components. The lightbar shall measure a maximum of 2.55 inches high x 12 inches wide x 50 inches long excluding mounting brackets. The lightbar must have Hi/Low power control of all LED modules.
- 1.02 The lightbar shall contain one (1) control module I/O board, which shall contain all the electronics required to operate all internal lighthoods.
- 1.03 The lightbar shall have a combination of: Four (4) corner Linear Super-LED lamps (2 Blue / 2 Blue) and options as listed below.
- 1.04 Each I/O card shall produce a minimum flash rate of 75 Comet® flashes per minute. There shall be twelve (12) Scan Lock flash patterns to choose from. Each pair of LED lamps must be capable of activating independently of each other. The I/O Card shall drive the Linear Super-Led lighthoods offering Hi/Low capabilities. The Halogen Lighthoods shall operate from the I/O board allowing the takedowns and alleys to both steady burn and flash, and permitting the alleys to have individual controlling. The Traffic Advisor will only require two (2) wire control (no control head) when operated from the I/O board. The Linear Super-Led corners will be capable of a cruise light application. The lights will remain activated at a low power level, producing a cruise light mode.
- 1.05 The lightbar's primary warning shall have a maximum of four (4) linear LED modules [1 in each corner] that meets SAE Class 1 requirements. The lightbar shall have linear LED modules in the four corners. Each Linear 12 corner module shall consist of a minimum of twelve (12) Super-LED's permanently mounted within a single "removable" highly mirrored parabolic reflector. The twelve (12) LED's shall be mounted in a straight line and have a single diffuser panel mounted in front of them.
- 1.06 The I/O module shall be 100% solid state with built-in reverse-polarity protection and output-short protection. They shall operate from 10-16 VDC with no degradation in flash rate, and shall operate through a temperature range of -30 degrees Celsius to 60 degrees Celsius. The lightbar shall be designed to have up to eight (8) lamps to the front, eight (8) lamps to the rear, and one (1) on each end. Each lamp module position shall have a choice of five (5) single-layer colored lens sections, independent of the others. The lenses shall be constructed of polycarbonate with built-in spreader optics and a horizontal non-fluted strip across the center of each lens for maximum light output at the "zero" H-V point. The LED panel must be mounted within the lightbar.
- 1.07 The lightbar shall have two (2) Linear 12's 1 Blue/ 1 Blue; to the front and two (2) Linear 12's 1 Blue / 1 Blue to the rear. The lightbar shall also contain Lightbar Options listed below.
- 1.08 The lightbar must utilize lenses that slide into a track and are held in place by two end caps that secure to the lightbar via four screws each. The outer lens color shall be Clear. Color outer lenses must be available as an *option*.
- 1.09 The lightbar shall contain a mounting kit to adapt the lightbar to most late model vehicles.

2.0 LIGHTBAR OPTIONS

- 2.01 The lightbar shall contain ten (10) inboard Linear Super-LEDs. Four (4) blue Linear Super LED's to the front and six (6) Linear Super LED's to the rear. All inboard linear LED panels shall be the same design, as the corner Linear LED modules described above and shall contain a minimum of six (6) Super LED's. Each rear inboard Linear Super LED modules shall contain three (3) blue LED's and three (3) amber LED's which may be operated independently or simultaneously. When operated independently, the amber LED's will have the capability of providing directional traffic advisor function. All inboard light heads must be a 500 Series whether LED or halogen. All LED modules must produce a minimum 180-degree light pattern.
- 2.02 **Takedown Lights**
The lightbar shall contain two (2) LR11 Series LED lamps that must allow for steady burn, as well as flashing takedowns. The two (2) LR11 series LED lamps shall come "ON" together as take-downs or alternately flash, and must be controlled by the lightbar's I/O board.
- 2.03 **Alley Lights**
The lightbar shall contain two (2) LR11 LED lamps (one on each end of the lightbar) that must allow for independent control of each lamp in a steady burn mode. The two (2) LR11 LED lamps shall also flash and must be controlled by the lightbars I/O board.

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SELF-CONTAINED SURFACE MOUNT DIRECTIONAL LED HEAD ASSEMBLIES

1.0 DESIGN

- 1.1 The directional head assembly shall be supplied with a black surface mount adaptor flange to allow the unit to mount to any flat surface.
- 1.2 The lighthouse assembly shall measure a maximum of 7 inches long x 2.5 inches high with the mounting flange.
- 1.3 The directional head assembly must have a LIN6 LED panel which contains a maximum of six (6) individual Super-LEDs (Generation 3.5) in a straight row with a diffuser panel in front of it to provide considerable light at a 90 degree angle. The unit shall draw no more than .5 amps.
- 1.4 There must be four (4) wires exiting the unit, one for each of the following: Power, Ground, ScanLock and Synchronize. The ScanLock wire will allow a choice of twenty-five (25) flash patterns including steady burn. When using multiple lighthouses, the synchronized wires are attached to alternate Phase 1 and Phase 2 patterns. The unit will have a non-volatile memory and stay in the pattern selected.
- 1.5 The lens must be made of clear polycarbonate and must have a smooth non-optic outer lens to insure maximum light output.

SUPER-LED DUAL DASH LIGHT

1.00 AVENGER DASH LIGHT:

- 1.01 The Dash Light assemblies shall have two (2) Linear9 Super-LED modules (side by side), each of which contains a minimum of nine (9) Super-LEDs (Generation 3.5) that are mounted in a straight line in a single highly polished reflector which must have a diffuser panel in front of it to provide considerable light at a 90° angle. Each lighthouse shall contain its own clear outer lens, and the lighthouses shall be mounted in a black polycarbonate housing for long life and durability. The unit will be mounted inside the passenger compartment. The unit must be supplied with a bail mounting bracket to allow the unit to be mounted to the windshield (via suction cups), dash, deck or headliner of the vehicle. The unit shall draw less than .5 amps and have a minimum 10 ft. cord with cigarette lighter plug that must include an On/Off switch and LED "On" indicator and a Scan Lock switch for pattern selection, all on the end of the cigar plug.
- 1.2 There shall be a total of thirty-four (34) flash patterns to choose from using a button located on the cigar plug. The unit will have a non-volatile memory and stay in the pattern selected until changed by the operator.
- 1.3 The Dash Light assembly shall measure a maximum of 9-3/4 inches long x 1-3/4 inches high, and 2-1/4 inches deep without the shroud (5-1/2 inches deep x 2 inches high with the shroud). The Dash Light housing must be molded polycarbonate with rounded corners.
- 1.4 The unit must be supplied standard with a hood (also constructed of a polycarbonate material) with stick-on chrome.
- 1.5 The outer lens shall be made of clear polycarbonate for stealth look. When the unit is off, it shall appear clear; when turned on, only then will the unit reflect a color.

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LED HIDE AWAY LIGHTHEAD

- 1.00 The lighthouse must be designed with a minimum of six (6) Super-LEDs mounted to a flat board. This LED board must be mounted to an aluminum base designed for thermal heat management. The unit must be designed to mount into a 1" hole in a composite type headlight and taillight and allow for easy upgrading of existing strobe Hide-A-Ways to LED. The base must be sealed to a hemispheric lens to provide weather resistance. The lens must be frosted for enhanced light output and spread. The unit must be no greater than 7/8" high by 1-1/2" diameter including the mounting flange. The lamp must be available in Amber, Blue, White or Red.
- 1.01 The unit must be supplied with a minimum of a four conductor, 22 gauge neoprene cable that is a minimum of 9' in length. This cable shall include an inline lamp driver that is completely encapsulated for. The four wires must allow for power, ground, Scan-Lock flash pattern, and synchronization features. There must be a minimum of 25 Scan-Lock flash patterns to choose from, including patterns that allow multiple lights to operate as a system by alternating or simultaneously flashing multiple lighthouses in a sequence.
- 1.02 An optional black or chrome surface mount flange shall be available. Lighthouses that do not offer this option are unacceptable.
- 1.03 The unit must be extremely quiet and must meet SAE J1113-41 Class 5 for RFI/EMI noise emitted.

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DIRECTIONAL WARNING LIGHT – 4 PANEL

1.00 BASIC STRUCTURAL DESIGN:

1.01 The device shall be housed in a heavy-duty extruded aluminum housing with a clear smooth outer lens for stealth look. The unit must utilize water-proof connectors and be designed to be used as an interior or exterior light. The unit shall appear to be void of color until the Super-LED's are turned on.

1.02 The device shall be approximately 14.21 inches in length, 1.74 inches in height, and 2.17 inches in width.

2.00 WARNING LAMP MODULES:

2.01 The device shall contain four (4) Super-LED panels, blue in color. Each panel shall utilize high intensity *Generation 3.5* Super-LED's (Light Emitting Diodes) and must be replaceable by sliding the units into the channel of the extrusion for ease of maintenance. These LED's shall have a life expectancy of at least 100,000 hours. Each LED panel shall utilize a maximum of three (3) Super-LED's, for a total of twelve (12) Super-LED's per unit.

2.02 Each lighthouse shall measure 3.6 inches long x 1.3 inches high and must contain a maximum of three (3) individual Super-LED's (*Generation 3.5*) in a straight row.

2.03 The maximum average amperage draw in any mode shall be no more than .56 amps at 12.8 volts DC, per lamp.

2.04 The unit shall include a 4-conductor, 22-gauge pigtail that exits the end of the unit. The wires are dedicated for Power, Ground, Scan-Lock and Synchronization. There must be seven (7) Scan-Lock Flash Patterns to choose from. Four of the seven must be capable of synchronizing together. These four are: Signal Alert, CometFlash, Single Flash 375 and Single Flash75. Each of these patterns can be programmed for alternating, in-out, checker board, simultaneous phase1 or simultaneous phase2. The other three patterns are: Action Flash, Modu Flash and Action Scan.

3.00 OPTIONS:

3.01 The following three mounting options must be available:

- 1) Suction cup mounting bracket with cigar plug, kit.
- 2) Swivel mounting bracket, kit.
- 3) "L" mounting bracket, kit.

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DIRECTIONAL WARNING LIGHT – 6 PANEL

1.00 BASIC STRUCTURAL DESIGN:

1.01 The device shall be housed in heavy-duty extruded aluminum housing with a clear smooth outer lens for. The unit must utilize water-proof connectors and be designed to be

used as an interior or exterior light. The unit shall appear to be void of color until the Super-LED's are turned on.

- 1.02 The device shall be approximately 23.26 inches in length, 1.74 inches in height, and 2.17 inches in width.

2.00 **WARNING LAMP MODULES:**

- 2.01 The device shall contain six (6) Super-LED panels, blue in Color. Each panel shall utilize high intensity *Generation 3.5* Super-LED's (Light Emitting Diodes) and must be replaceable by sliding the units into the channel of the extrusion for ease of maintenance. These LED's shall have a life expectancy of at least 100,000 hours. Each LED panel shall utilize a maximum of three (3) Super-LED's, for a total of eighteen (18) Super-LED's per unit.

- 2.02 Each lighthead shall measure 3.6 inches long x 1.3 inches high and must contain a maximum of three (3) individual Super-LED's (*Generation 3.5*) in a straight row.

- 2.03 The maximum average amperage draw in any mode shall be no more than .56 amps at 12.8 volts DC, per lamp.

- 2.04 The unit shall include a 4-conductor, 22-gauge pigtail that exits the end of the unit. The wires are dedicated for Power, Ground, Scan-Lock and Synchronization. There must be seven (7) Scan-Lock Flash Patterns to choose from. Four of the seven must be capable of synchronizing together. These four are: Signal Alert, CometFlash, Single Flash 375 and Single Flash75. Each of these patterns can be programmed for alternating, in-out, checker board, simultaneous phase1 or simultaneous phase2. The other three patterns are: Action Flash, Modu Flash and Action Scan.

3.00 **OPTIONS:**

- 3.01 An "L" mounting bracket, kit must be available.

DPS 2010-07

DIRECTIONAL WARNING LIGHT – 8 PANEL

1.00 **BASIC STRUCTURAL DESIGN:**

- 1.01 The device shall be housed in a heavy-duty extruded aluminum housing with a clear smooth outer lens for. The unit must utilize water-proof connectors and be designed to be used as an interior or exterior light. The unit shall appear to be void of color until the Super-LED's are turned on.

- 1.02 The device shall be a maximum of 28 inches in length, 1.74 inches in height, and 2.17 inches in width.

2.00 **WARNING LAMP MODULES:**

- 2.01 The device shall contain eight (8) Super-LED panels, blue in Color. Each panel shall utilize high intensity *Generation 3.5* Super-LED's (Light Emitting Diodes) and must be replaceable by sliding the units into the channel of the extrusion for ease of maintenance. These LED's shall have a life expectancy of at least 100,000 hours. Each LED panel shall utilize a maximum of three (3) Super-LED's, for a total of twenty-four (24) Super-LED's per unit.

- 2.02 Each lighthead shall measure 3.6 inches long x 1.3 inches high and must contain a maximum of three (3) individual Super-LED's (*Generation 3.5*) in a straight row.
- 2.03 The maximum average amperage draw in any mode shall be no more than .56 amps at 12.8 volts DC, per lamp.
- 2.04 The unit shall include a 4-conductor, 22-gauge pigtail that exits the end of the unit. The wires are dedicated for Power, Ground, Scan-Lock and Synchronization. There must be seven (7) Scan-Lock Flash Patterns to choose from. Four of the seven must be capable of synchronizing together. These four are: Signal Alert, CometFlash, Single Flash 375 and Single Flash75. Each of these patterns can be programmed for alternating, in-out, checker board, simultaneous phase1 or simultaneous phase2. The other three patterns are: Action Flash, Modu Flash and Action Scan.
- 3.00 **OPTIONS:**
- 3.01 An "L" mounting bracket, kit must be available.

DPS 2010-08

LED DODGE "CHARGER" FOG LIGHT MOUNT LIGHTHEAD

- 1.00 The lighthead as Super-LED blue lighthead, with mounting bracket, designed to easily retrofit into the DODGE *Charger* fog light placement.
- 1.01 The lamp assembly shall contain a maximum of six Super-LEDs that are encapsulated for moisture and vibration resistance. The six Super-LEDs must be of Generation 3.5 for maximum light output as well as light spread. The six Super-LEDs must be mounted in a circle pattern and utilize a round internal reflector that pipes the light throughout the assembly, for a full light effect.
- 1.02 The lighthead must have Scan-Lock flash patterns and a synchronize feature via an external wire/connection. This must allow for multiple units (up to eight) to flash simultaneously or alternately. Each of the five patterns shall have a Phase 1 and Phase 2. When using multiple lightheads, the synchronized wires are attached to alternate Phase 1 and Phase 2 patterns. The unit will have a non-volatile memory and stay in the pattern selected. Each light must have an extended lens that protrudes out a minimum of 1-1/8 inch from the LED assembly.
- 1.03 The lighthead, less mounting bracket, shall be approximately 4.4 inches in diameter x 2.2 inches deep, and weigh 6 ounces. It must be supplied with a 6 inch pigtail and mounting that allows the unit to be inserted into the DODGE *Charger* fog light shroud.
- 1.04 The lens must have built-in optics for maximum light spread and shall be made of impact-resistance polycarbonate. The lens color shall be clear and shall be in accordance with SAE requirements.

DPS 2010-09

LED INTERIOR LIGHTBAR-4 PANEL

1.00 BASIC STRUCTURAL DESIGN:

- 1.01 The device shall be housed in two individual heavy duty polycarbonate housing with a clear outer lens for stealth look. Both units shall appear to be void of color until the Super-LED's are turned on. Each unit must be supplied with mounting brackets for mounting in a 2007-2009 CHEVY *Tahoe* or *Suburban*, one on the driver side, the other on the passenger side of the vehicle, and will be designed to fit snugly to the windshield.

2.00 WARNING LAMP MODULES:

- 2.01 Each housing shall contain four (4) Super-LED panels. Each LED must be a high intensity *Generation 3.5* Super-LED's (Light Emitting Diodes). Each housing must have four (4) lamps facing straight out of the housing and one (1) Super-LED take-down light mounted in the inboard position. These LEDs shall have a life expectancy of at least 100,000 hours. Each LED segment shall utilize a maximum of three (3) Super-LED's.
- 2.02 Each lighthouse lens shall cover a maximum of three (3) individual Super-LED's (*Generation 3.5*) that are mounted in a straight row and have a life expectancy of at least 100,000 hours. Each unit shall have a linear lens on the outermost outboard position and must alternate sequentially with a TIR lens as you move toward the inboard position. Spare TIR and linear lenses must be provided.
- 2.03 The maximum amperage draw in any mode shall be no more than .25 amps at 12.8 volts DC.
- 2.04 Each unit must include one (1) Super-LED take-down light, with flashing and steady-burn capability, located on the innermost inboard position.
- 2.05 The two-piece Inner Edge shall be connected by an interconnect cable connecting the driver side unit to the passenger side unit. The P.S. unit shall have a 9 conductor, 18 gauge, 20 foot jacketed cable that allows or control of warning lights, Scan-Lock (24 flash patterns to choose from), synchronization feature, take-down lights, flashing take- down, and low power.

DPS 2010-10

SUPER-LED DIRECTIONAL LIGHTHEAD SYSTEM

1.00 WARNING LIGHTS

- 1.01 The system must contain a minimum of two (2) LINZ6s (1 Blue/1 Blue). Each directional head assembly shall be supplied with an aluminum mounting plate and a black flange as standard and will be completely sealed. The unit must be designed to mount to any flat surface.
- 1.02 Each lighthouse assembly shall measure a maximum 4 inches long x 1-5/8 inch protrusion, x 2 inches high with the mounting flange.
- 1.03 Each directional head assembly shall have a Linear6 LED panel which contains a maximum of six (6) individual Super-LEDs (*Generation 3.5*) in a straight row that have a life expectancy of at least 100,000 hours. The panel must be completely encapsulated. The unit shall draw no more than .5 amps.

- 1.04 There must be four (4) wires exiting each unit, one for each of the following: Power, Ground, ScanLock and Synchronize. The ScanLock wire will allow a choice of sixty-nine (69) flash patterns including steady burn. Each light must have eight patterns that allow for alternating or simultaneous flash of each color segment (3x3). When using multiple lightheads, the synchronized wires are attached to alternate Phase 1 and Phase 2 patterns. The unit will have a non-volatile memory and stay in the pattern selected.
- 1.05 The lens must be made of clear polycarbonate and must have a smooth non-optic outer lens to insure maximum light output.
- 1.06 Each light must be supplied with an "L" style universal mounting bracket. Each bracket shall measure 3.75 inches long x 2.18 inches high x 1 inch deep; made of aluminum and powder-coated in black.

DPS 2010-11

SELF-CONTAINED SURFACE MOUNT DIRECTIONAL TIR3-LED HEAD ASSEMBLY

1.0 DESIGN

- 1.1 The self-contained directional LED head assembly shall be supplied with an aluminum mounting plate and a black flange as standard and will be completely sealed for long life and durability. The unit must be designed to mount to any flat surface.
- 1.2 The lighthead assembly shall measure a maximum 3.6 inches long x 1.3 inch protrusion, x 1.3 inches high with the mounting flange.
- 1.3 The directional head assembly shall have an TIR3 LED panel which contains a maximum of three (3) individual Blue Super-LEDs (Generation 3.5) in a straight row that have a life expectancy of at least 100,000 hours. The panel shall contain ballast and TIR lens, and shall be mounted to an aluminum base. The unit shall draw no more than .25 amps.
- 1.4 There must be four (4) wires exiting the unit to turn the unit, one for each of the following: Power, Ground, ScanLock and Synchronize. The ScanLock wire will allow a choice of five flash pattern and steady burn. Each of the five patterns shall have a Phase 1 and Phase 2. When using multiple lightheads, the synchronized wires are attached to alternate Phase 1 and Phase 2 patterns. The unit will have a non-volatile memory and stay in the pattern selected.
- 1.5 The lens must be made of clear polycarbonate and must have a smooth outer lens with built-in optics to insure maximum light output.
- 1.6 The head assembly shall come complete with a built-in flasher and with all standard mounting hardware and brackets to mount the unit to any flat surface.

FOUR STROBE LIGHT REMOTE SYSTEM

1.0 ***STROBE POWER SUPPLY:***

- 1.1 The strobe power supply shall be designed with the latest solid-state circuitry, no moving parts, and will incorporate design features for maximum vibration resistance. This includes weather-resistant materials and assembly techniques to withstand a range of temperature or environmental conditions.
- 1.2 The strobe power supply shall have a minimum of six output outlets, each using 3-pin Amp Mate-N-Lock connectors. It shall also have two other 3-pin connectors, one for input power, and the other for outlet switching capability.
- 1.3 The overall dimensions shall measure no more than 6-5/8 inches long x 5-3/4 inches wide x 2-1/2 inches high. The strobe power supply shall also weigh no more than 2 lbs.
- 1.4 The overall output power rating must be a minimum of 90 watts, total (115 watts input power). The strobe power supply shall be 12 volts DC, and operate through the range of 10-16 volts DC. Maximum current draw shall be 9 amps at 13.5 volts.
- 1.5 The strobe power supply shall have RFI suppression circuit(s) built-in/hardwired within the electronic assembly.
- 1.6 The strobe power supply must have output short protection.
- 1.7 The strobe power supply must be capable of ten (10) flash patterns. These flash patterns must be selected by a single wire, positive activation allowing the user to toggle through all nine patterns. The unit shall have non-volatile memory so when the unit is turned "off" and "on", it always returns to the last pattern selected. The default pattern if no other pattern is chosen shall be a high energy envelope (burst) of four pulses per burst to each remote strobe head, at a minimum flash rate of 70 burst per minute (per outlet). Each burst must consist of only four pulses and the interval between pulses compressed to no more than 85 milliseconds apart.
- 1.8 The multiple pulse timing sequence must substantially increase the overall effective visual "on-time" of each burst of pulses to 60% (on) and decrease the "dark time" or "off time" to 40% (off).

2.0 ***REMOTE CONCEALED STROBE HEADS***

- 2.1 The system shall include four (4) flange-mounted strobe lamp assemblies that have a 1-1/2 turn helix-shaped tube that mounts into a black polycarbonate base, and will come complete with a 3-conductor 15 ft. shielded cable harness.
- 2.2 The base shall be designed for easy mounting into a 1 inch hole inside a "composite-style" headlight or tail light assembly. The unit must have two (2) screw holes on the flange to secure the flash tube assembly to the housing.
- 2.3 The trigger transformer shall be built into the polycarbonate base, fully epoxy sealed.
- 2.4 All strobe lamps shall be supplied in "clear" and shall be designed to work in conjunction with the above-referenced power supply.

DPS 2010-13

ULTRA SLIM PROFILE DASH LIGHT

- 1.1 Super-LED Lamp Panels. Attaches to the windshield with suction cup mounting swivel bracket or permanently.
- 1.2 20 selectable flash patterns. On/Off and pattern select switches are located on the back of assembly.
- 1.3 Cigarette plug and 8 font card.
- 1.4 Color LED available in blue, white, amber, or red.
- 1.5 Must come with an optional bail bracket for permanent mounting.
- 1.6 Size 2" H x 1-3/16" L.

DPS 2010-14

THREE LAMP LINEAR LED INNER WINDSHIELD LIGHT

- 1.1 Three super bright Linear-LED modules in a smaller housing that fits snugly against the upper front windshield of a Ford Crown Victoria or a Dodge Charger.
- 1.2 Must be available in all colors of blue, red, clear, and amber.
- 1.3 Size 2-3/4" H X 7-1/8" W X 18: L.

DPS 2010-15

SIREN SPEAKER - 100W

- 1.1 Siren speaker, narrow, high performance, multi-port 100 watt speaker.
- 1.2 Installs to vehicles' cross member.
- 1.3 Black cast aluminum or nylon composite housing.
- 1.4 OSHA 1910.95 compliant.
- 1.5 Must come with mounting bracket.

DPS 2010-16

MOTORCYCLE WINDSHIELD LED LIGHT ARRAY

- 1.1 Motorcycle windshield LED light array.
- 1.2 Built with rugged steel bracket and custom matched high impact plastic housing that fits snugly to the fairing of the motorcycle.
- 1.3 5 LIN 3 light leads.
- 1.4 Custom lens/color configuration.
- 1.5 Each LED module is encapsulated and uses a water proof connector.
- 1.6 Arc design sweeps lights across the front and angles to the side of the motorcycle for 180 degree visibility.
- 1.7 Must fit Harley Davidson motorcycle and come with all mounting brackets.
- 1.8 Color: Light Blue

DPS 2010-17

MOTORCYCLE SIDE SADDLE LIGHT MOUNTING BRACKET – SIDE CRASHBAR MOUNT

- 1.1 Mounting Bracket for motorcycle side saddle bag.
- 1.2 Must fit Harley Davidson motorcycle.
- 1.3 Bracket mounts to side of crash bar and holds 2 TIR3 or LIN3 light heads.

DPS 2010-18

MOTORCYCLE SIDE SADDLE LIGHT MOUNTING BRACKET – REAR CRASHBAR MOUNT

- 1.1 Mounting Bracket for motorcycle side saddle bag.
- 1.2 Must fit Harley Davidson motorcycle.
- 1.3 Bracket mounts to rear of crash bar and holds 2 TIR 3 or LIN 3 light heads. .

DPS 2010-19

MOTORCYCLE WINDSHIELD/FORKS MOUNTING BRACKET

- 1.1 Mounting Bracket for motorcycle windshield or forks.
- 1.2 Must fit Harley Davidson motorcycle.
- 1.3 Holds 1 TIR 3 or LIN 3 light head.

DPS 2010-20

PUSH BUMPER - FORD CROWN VICTORIA

- 1.1 29" wide X 23" tall for added protection and driver visibility.
- 1.2 ¼" HRS (hot rolled steel) uprights.
- 1.3 ¼" HRS No drilling required, bumper bracket assembly.
- 1.4 ½" thick by 2" wide high impact, rubber pads.
- 1.5 2" X .070" thick top cross tube.
- 1.6 6" wide X 29" across by .100" thick surface for mounting lights and or speakers.
- 1.7 Welded one piece construction
- 1.8 Durable semi gloss black powder coal finish (2 ½ - 3 mill thickness.)
- 1.9 Black Zinc mounting hardware
- 1.10 Drilling to any part of the frame or bumper is not required.

DPS 2010-21

GRILLE GUARD – CHEVROLET TAHOE/SUBURBAN

- 1.0 Push Bumper:
- 1.1 Cold Rolled Mild Steel Tubing
- 1.2 1 ½" OD X 16 ga.
- 1.3 1 7/8" OD X 16 ga.
- 1.4 2 ½" OD X 16 ga.
- 1.5 3/8" Round Mild Steel

- 2.0 Plate: ¼" Mild Steel Sheet
- 2.1 Finish: Black powder coat plus Zinc phosphate
- 2.2 Resign Type: Polyester
- 2.3 Color: Black 314-04
- 2.4 Gloss: (60 degree): 30-39%
- 2.5 Thickness: 1.75 minimum Surface A
- 2.6 Corrosion Test: 500 hrs. Salt Spray Chamber
- 3.0 Brackets:
- 3.1 Material: HRPO ¼" THICKNESS, VARIOUS GUAGES.
- 3.2 Finish: Black powder coat
- 3.3 Resign Type: Polyester
- 3.4 Color: Black 314-04
- 3.5 Gloss: (60 degree): 30-39%
- 3.6 Thickness: 1.75 minimum Surface A
- 3.7 Hardware: Zinc Electroplating 96 Hrs. Salt Spray Test
- 38 Box: 250 lb/in 2
- 39 Installation: All no drilling applications.
- 40 Must fit Chevrolet Tahoe and Suburban Vehicles

DPS 2010-22

GRILLE GUARD – DODGE CHARGER

- 1.1 33 ½" wide by 24" tall for added protection and driver visibility.
- 1.2 ¼" HRS (hot rolled steel) uprights
- 1.3 ¼" HRS No drilling, Mounting Bracket System
- 1.4 ½" thick by 2" wide high impact, replaceable rubber trim
- 1.5 2" by .070" thick round tubular upper cross support
- 1.6 5" wide X 31 ½" across by .100" thick center support for mounting lights and or speakers
- 1.7 Durable semi gloss black powder coat finish.(2 ½ 3 mill thickness.)
 - 1. Black zinc-mounting hardware
 - 2. East install no cutting of exterior bumper fascia or drilling mounting bracket system
- 1.8 Must fit Dodge Charger

DPS 2010-23

VEHICLE PARTITION (Crown Victoria)

1. SCOPE AND CLASSIFICATION

- 1.1 This specification describes a vehicle partition designed for use in full and mid-sized passenger cars, vans, and utility vehicles. The partition shall provide an actual physical barrier to prevent the back seat occupants from having access to front seat personnel.

2. BRAND IDENTIFICATION

- 2.1 All products furnished with regard to this specification shall bear the manufacturers identification and lot number /model number labels.

3. CONSTRUCTION / OPERATION

DESIGN: A. Framework, Main

Roll bar style tubing framework is manufactured from 1-5/8" OD structural steel tubing with the nominal wall thickness of .140". The tubing that serves as the structural support shall be formed to have a 14-degree bend, which follows the contour of the front seat. Framework has steel tabs welded to tubing to allow mounting of side panels and upper support brackets for installation into vehicle. The tubing is covered with minimum 1/2" foam padding to help protect occupants of vehicle from injury.

B. Framework, Window

Window framework is heavy duty steel and aluminum mounted to a steel framework.

C. Partition Support Brackets

The center pillar (mounting Brackets) is constructed of 1/8" Cold Rolled Steel. The brackets must be of 2 or 3 pieces per side of vehicle. They must bolt together to form a "C" clamp around the center (or "B") pillar of the vehicle. The attachment of the center pillar brackets must not require the drilling of any holes or cutting of any trim on the vehicle

- a. "B" pillar brackets are constructed from 11 gauge steel powder coated to match partition finish
- b. Flat Support Brackets are constructed from 14 gauge steel, powder coated to match partition finish.
- c. Mounting Feet are constructed from 7 gauge tube steel, with 1/8" wall and 1-1/4" O.D. Finish to match partition.

D. Seat Back Protector (Guard Plate)

Full width guard plate is manufactured of 14-gauge steel and welded securely to tubular framework.

E. Side Filler Panels

Filler panels will be manufactured from 1/4" clear polymer material and thermal formed to closely follow the contour of the vehicle doors and windows. No sharp edges on panels.

F. Floor Mounting Brackets

Floor mounting brackets are angled to allow partition to roughly follow the front seat back angle for maximum room. Spacers are provided to conform the partition height to the specific vehicle. Floor brackets are held in place by 1/8" formed brackets that is attached to the brackets with bolts at one end and to the front seat rail mount bolt.

G. Window Configuration

Center Sliding window.

H. Miscellaneous Hardware and instructions

All necessary hardware and instructions for installation and operation are provided.

I. Finish

Framework and seat back protector is finished with environmentally approved charcoal gray electro-deposited powder coated paint applied in a consistent thickness of .0003 to .0005 mils. The finish is oven baked at a temperature of 325 to 400 degrees F.

J. Optional Bucket Seat Protector

An optional bucket seat protector is available to fit over the transmission hump to further deny access to the front seat area. Seat protector is manufactured from 14 gauge steel plate coated with the same paint as the partition. Two sizes are available the short width (20") or the full width model (47"). The protectors are angled forward at the bottom to provide foot room for the passenger or prisoner.

K. Knockout Panel for Recessed Panel

Steel panel will be removable to allow for optional recessed panel to be installed using existing holes. (no metal cut)

L. Optional Recessed Panel

Optional recessed panel constructed of 14-gauge steel, powder coated to match partition finish. Recessed panel will bolt to existing holes on partition for a no holes drilled, no trim cut installation.

M. Optional Dual Vertical Gun Rack

Optional dual vertical gun rack constructed of steel. Electric 8-second timer and momentary switch included. Gun rack will mount to partition with a no holes drilled installation, and be positioned into the recessed panel at an angle to allow for clearance of the headliner.

DPS 2010-24

VEHICLE PARTITION (Impala)

1. SCOPE AND CLASSIFICATION

- 1.1 This specification describes a vehicle partition designed for use in full and mid-sized passenger cars, vans, and utility vehicles. The partition shall provide an actual physical barrier to prevent the back seat occupants from having access to front seat personnel.

2 BRAND IDENTIFICATION

- 2.1 All products furnished with regard to this specification shall bear the manufacturers identification and lot number /model number labels.

3. CONSTRUCTION / OPERATION

DESIGN: A. Framework, Main

Roll bar style tubing framework is manufactured from 1-5/8" OD structural steel tubing with the nominal wall thickness of .140". The tubing that serves as the structural support shall be formed to have a 14-degree bend, which follows the contour of the front seat. Framework has steel tabs welded to tubing to allow mounting of side panels and upper support brackets for installation into vehicle. The tubing is covered with minimum 1/2" foam padding to help protect occupants of vehicle from injury.

B. Framework, Window

Window framework is heavy duty steel and aluminum mounted to a steel framework.

C. Partition Support Brackets

Support brackets are mounted to vehicles "B" pillars to support (suspend) partition between "B" pillars.

- a. "B" pillar brackets are constructed from 11 gauge steel powder coated to match partition finish
- b. Flat Support Brackets are constructed from 14 gauge steel, powder coated to match partition finish
- c. Mounting Feet are constructed from 7 gauge tube steel, with 1/8" wall and 1-1/4" O.D. Finish to match partition.

D. Seat Back Protector (Guard Plate)

Full width guard plate is manufactured of 14-gauge steel and welded securely to tubular framework.

E. Side Filler Panels

Filler panels will be manufactured from 1/4" clear polymer material and thermal formed to closely follow the contour of the vehicle doors and windows. No sharp edges on panels.

F. Floor Mounting Brackets

Floor mounting brackets are angled to allow partition to roughly follow the front seat back angle for maximum room. Spacers are provided to conform the partition height to the specific vehicle. Floor brackets are held in place by 1/8" formed brackets that is attached to the brackets with bolts at one end and to the front seat rail mount bolt.

G. Window Configuration

Center Sliding window.

H. Miscellaneous Hardware and instructions

All necessary hardware and instructions for installation and operation are provided.

I. Finish

Framework and seat back protector is finished with environmentally approved charcoal gray electro-deposited powder coated paint applied in a consistent thickness of .0003 to .0005 mils. The finish is oven baked at a temperature of 325 to 400 degrees F.

J. Optional Bucket Seat Protector

An optional bucket seat protector is available to fit over the transmission hump to further deny access to the front seat area. Seat protector is manufactured from 14 gauge steel plate coated with the same paint as the partition. Two sizes are available the short width (20") or the full width model (47"). The protectors are angled forward at the bottom to provide foot room for the passenger or prisoner.

K. Knockout Panel for Recessed Panel

Steel panel will be removable to allow for optional recessed panel to be installed using existing holes. (no metal cut)

L. Optional Recessed Panel

Optional recessed panel constructed of 14-gauge steel, powder coated to match partition finish. Recessed panel will bolt to existing holes on partition for a no holes drilled, no trim cut installation.

M. Optional Dual Vertical Gun Rack

Optional dual vertical gun rack constructed of steel. Electric 8-second timer and momentary switch included. Gun rack will mount to partition with a no holes drilled installation, and be positioned into the recessed panel at an angle to allow for clearance of the headliner.

DPS 2010-25

VEHICLE PARTITION(Dodge Charger)

1. SCOPE AND CLASSIFICATION

1.1 This specification describes a vehicle partition designed for use in full and mid-sized passenger cars, vans, and utility vehicles. The partition shall provide an actual physical barrier to prevent the back seat occupants from having access to front seat personnel.

2 BRAND IDENTIFICATION

2.1 All products furnished with regard to this specification shall bear the manufacturers identification and lot number /model number labels.

3. CONSTRUCTION / OPERATION

DESIGN: A. Framework, Main

Roll bar style tubing framework is manufactured from 1-5/8" OD structural steel tubing with the nominal wall thickness of .140". The tubing that serves as the structural support shall be formed to have a 14-degree bend, which follows the contour of the front seat. Framework has steel tabs welded to tubing to allow mounting of side panels and upper support brackets for installation into vehicle. The tubing is covered with minimum 1/2" foam padding to help protect occupants of vehicle from injury.

B. Framework, Window

Window framework is heavy duty steel and aluminum mounted to a steel framework.

C. Partition Support Brackets

Support brackets are mounted to vehicles "B" pillars to support (suspend) partition between "B" pillars.

- a. "B" pillar brackets are constructed from 11 gauge steel powder coated to match partition finish
- b. Flat Support Brackets are constructed from 14 gauge steel, powder coated to match partition finish

c. Mounting Feet are constructed from 7 gauge tube steel, with 1/8" wall and 1-1/4" O.D. Finish to match partition.

D. Seat Back Protector (Guard Plate)

Full width guard plate is manufactured of 14-gauge steel and welded securely to tubular framework.

E. Side Filler Panels

Filler panels will be manufactured from 1/4" clear polymer material and thermal formed to closely follow the contour of the vehicle doors and windows. No sharp edges on panels.

F. Floor Mounting Brackets

Floor mounting brackets are angled to allow partition to roughly follow the front seat back angle for maximum room. Spacers are provided to conform the partition height to the specific vehicle. Floor brackets are held in place by 1/8" formed brackets that is attached to the brackets with bolts at one end and to the front seat rail mount bolt.

G. Window Configuration

Center Sliding window.

H. Miscellaneous Hardware and instructions

All necessary hardware and instructions for installation and operation are provided.

I. Finish

Framework and seat back protector is finished with environmentally approved charcoal gray electro-deposited powder coated paint applied in a consistent thickness of .0003 to .0005 mils. The finish is oven baked at a temperature of 325 to 400 degrees F.

J. Optional Bucket Seat Protector

An optional bucket seat protector is available to fit over the transmission hump to further deny access to the front seat area. Seat protector is manufactured from 14 gauge steel plate coated with the same paint as the partition. Two sizes are available the short width (20") or the full width model (47"). The protectors are angled forward at the bottom to provide foot room for the passenger or prisoner.

K. Knockout Panel for Recessed Panel

Steel panel will be removable to allow for optional recessed panel to be installed using existing holes. (no metal cut)

L. Optional Recessed Panel

Optional recessed panel constructed of 14-gauge steel, powder coated to match partition finish. Recessed panel will bolt to existing holes on partition for a no holes drilled, no trim cut installation.

M. Optional Dual Vertical Gun Rack

Optional dual vertical gun rack constructed of steel. Electric 8-second timer and momentary switch included. Gun rack will mount to partition with a no holes drilled installation, and be positioned into the recessed panel at an angle to allow for clearance of the headliner.

DPS 2010-26

CENTER CONSOLE – CHEVROLET TAHOE

- 1.1 Enclosed center console.
- 1.2 30" total mounting space with vehicle mount.
- 1.3 Includes filler plates and equipment brackets.
- 1.4 Standard wire knockout covers in front end panel of console can be removed to provide wiring of mounted equipment.
- 1.5 Console to include mounting base, track and internal accessory box.
- 1.6 13" H X 9.5" Deep X 8-5/8" W
- 1.7 Must fit Chevrolet Tahoe.

DPS 2010-27

CENTER CONSOLE – DODGE CHARGER

- 1.1 Console Center Mount
- 1.2 24 inch. 8” max depth at rear and 4.75” min at front of the console.
- 1.3 Includes filler plates, equipment brackets, arm rest and cup holder.
- 1.4 Must fit Dodge Charger.

DPS 2010-28

LED INTERIOR LIGHTBAR-4 PANEL

1.00 BASIC STRUCTURAL DESIGN:

- 1.01 The device shall be housed in two individual heavy duty polycarbonate housing with a clear outer lens for stealth look. Both units shall appear to be void of color until the Super-LED’s are turned on. Each unit must be supplied with mounting brackets for mounting in a Dodge Charger, one on the driver side, the other on the passenger side of the vehicle, and will be designed to fit snugly to the windshield.

2.00 WARNING LAMP MODULES:

- 2.01 Each housing shall contain four (4) Super-LED panels. Each LED must be a high intensity *Generation 3.5* Super-LED’s (Light Emitting Diodes). Each housing must have four (4) lamps facing straight out of the housing and one (1) Super-LED take-down light mounted in the inboard position. These LEDs shall have a life expectancy of at least 100,000 hours. Each LED segment shall utilize a maximum of three (3) Super-LED’s.
- 2.02 Each lighthouse lens shall cover a maximum of three (3) individual Super-LED’s (*Generation 3.5*) that are mounted in a straight row and have a life expectancy of at least 100,000 hours. Each unit shall have a linear lens on the outermost outboard position and must alternate sequentially with a TIR lens as you move toward the inboard position. Spare TIR and linear lenses must be provided.
- 2.03 The maximum amperage draw in any mode shall be no more than .25 amps at 12.8 volts DC.
- 2.04 Each unit must include one (1) Super-LED take-down light, with flashing and steady-burn capability, located on the innermost inboard position.
- 2.05 The two-piece Inner Edge shall be connected by an interconnect cable connecting the driver side unit to the passenger side unit. The P.S. unit shall have a 9 conductor, 18 gauge, 20 foot jacketed cable that allows or control of warning lights, Scan-Lock (24 flash patterns to choose from), synchronization feature, take-down lights, flashing take- down, and low power.

DPS 2010-29

LED INTERIOR LIGHTBAR-4 PANEL

1.00 BASIC STRUCTURAL DESIGN:

- 1.01 The device shall be housed in two individual heavy duty polycarbonate housing with a clear outer lens for stealth look. Both units shall appear to be void of color until the Super-LED’s are turned on. Each unit must be supplied with mounting brackets for mounting in a Ford Expedition, one

on the driver side, the other on the passenger side of the vehicle, and will be designed to fit snugly to the windshield.

2.00 WARNING LAMP MODULES:

- 2.01 Each housing shall contain four (4) Super-LED panels. Each LED must be a high intensity *Generation 3.5* Super-LED's (Light Emitting Diodes). Each housing must have four (4) lamps facing straight out of the housing and one (1) Super-LED take-down light mounted in the inboard position. These LEDs shall have a life expectancy of at least 100,000 hours. Each LED segment shall utilize a maximum of three (3) Super-LED's.
- 2.02 Each lighthouse lens shall cover a maximum of three (3) individual Super-LED's (*Generation 3.5*) that are mounted in a straight row and have a life expectancy of at least 100,000 hours. Each unit shall have a linear lens on the outermost outboard position and must alternate sequentially with a TIR lens as you move toward the inboard position. Spare TIR and linear lenses must be provided.
- 2.03 The maximum amperage draw in any mode shall be no more than .25 amps at 12.8 volts DC.
- 2.04 Each unit must include one (1) Super-LED take-down light, with flashing and steady-burn capability, located on the innermost inboard position.
- 2.05 The two-piece Inner Edge shall be connected by an interconnect cable connecting the driver side unit to the passenger side unit. The P.S. unit shall have a 9 conductor, 18 gauge, 20 foot jacketed cable that allows or control of warning lights, Scan-Lock (24 flash patterns to choose from), synchronization feature, take-down lights, flashing take- down, and low power.

DPS 2010-30

REAR FACING INNER DECK LIGHT

- 1.1 Rear facing inner deck light.
- 1.2 8 blue lights with split amber traffic advisor.
- 1.3 Installation method to use the existing child-restraint brackets without drilling holes.
- 1.4 Must come with all mounting brackets.